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GRAY WHALE, ESCHRICHTIUS ROBUSTUS, BIBLIOGRAPHY

671-F

Prepared for

U.S. Department of the Interior
Minerals Management Service
Alaska OCS Region
949 East 36th Avenue, Room 110
Anchorage, Alaska 99508-4302

Cooperative Agreement No. 14-12-0001-30208

by

Coastal Ecology Research Laboratory
The University of Maryland, Eastern Shore
Princess Anne, Maryland 21853

January 1987

Guy W. Oliver, Compiler

Marine Systems, Inc.
Juneau, Alaska 99802

Eileen M. Setzler-Hamilton
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Coastal Ecology Research Laboratory

and

University of Maryland Center for Environmental and Estuarine
Studies
Chesapeake Biological Laboratory
Solomons, Maryland 20688

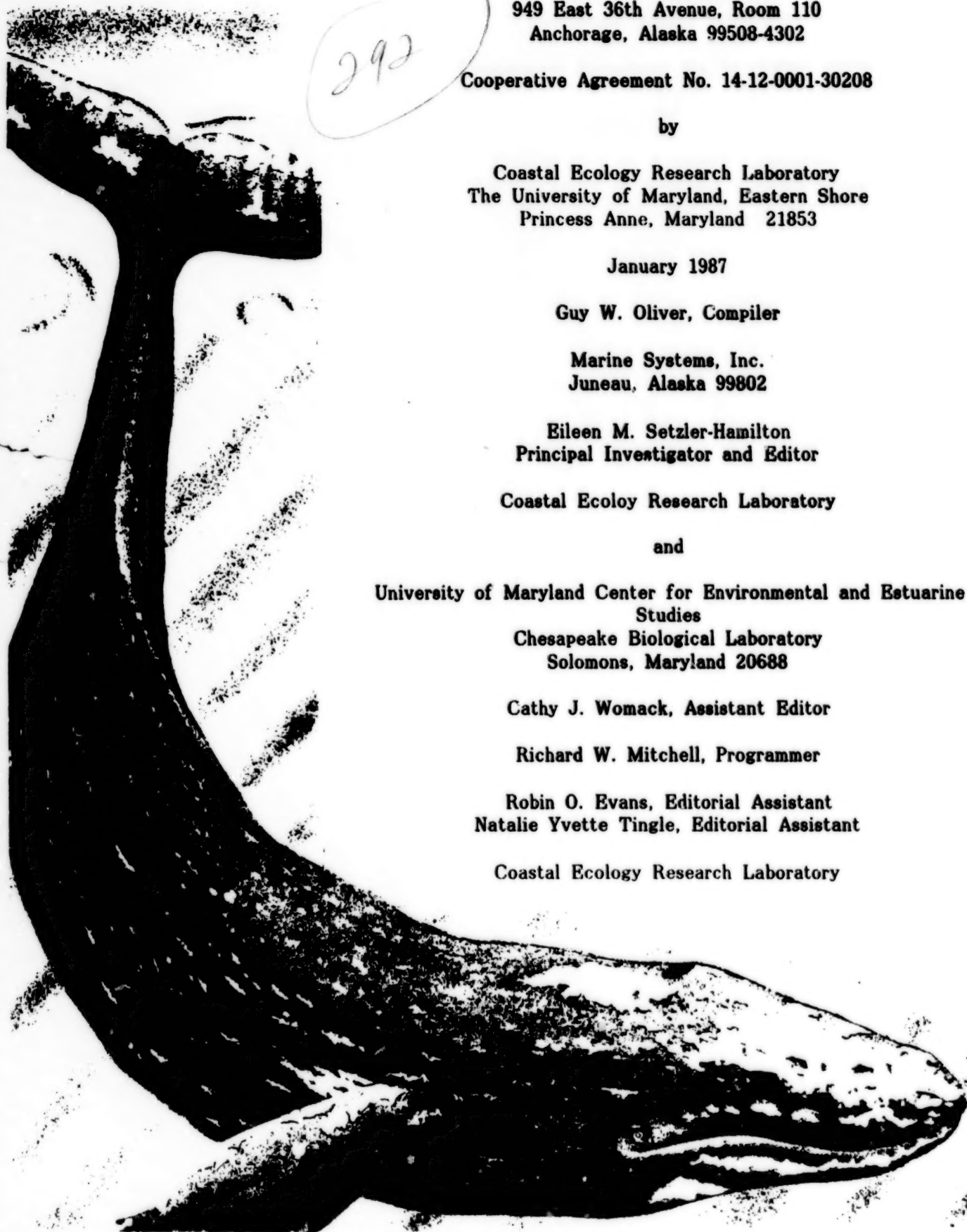
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Introduction

The following bibliography has been compiled to accompany a visual matrix chart of references addressing the effects of oil exploration on the endangered gray whale, Eschrichtius robustus. The bibliography is exhaustive, thorough and includes primary literature: books, chapters, and journal articles; "gray" literature: technical, progress, and final reports, and unpublished contractual reports; and pertinent articles in popular magazines. This bibliography is the second of three bibliographies prepared to accompany visual matrix charts. The bowhead whale, Balaena mysticetus, was the subject of the first bibliography; the right whale, Balaena glacialis, the subject of the third bibliography.

The holdings of the following libraries were examined in preparation of this bibliography:

NMFS National Marine Mammal Laboratory
NMFS Auke Bay Laboratory
University of Alaska
University of California at Berkeley
University of California at Santa Cruz

Files from the MMS Alaska OCS Office and the NOAA OCSEAP Office at Anchorage were inspected for relevant material. Publications examined in their entirety include:

Reports of the International Whaling Commission
Scientific Reports of the Whales Research Institute
(Japan)
Norwegian Whaling Gazette.

Abstracts, papers and notes from the Biennial Marine Mammal Conferences (I-V) and the Bowhead Whale Conferences (I-III) were also examined. Earlier bibliographies searched include:

Darling 1973 - gray whale bibliography only
Bird 1983 - gray whale bibliography only
Hills and Valentine 1982
Severinghaus 1979
Squire 1964
Gold 1977; 1985
Leatherwood et al. 1983
Richardson et al. 1983a

The following computerized data bases were searched using DIALOG in December, 1984:

Aquatic and Fisheries Science
Biosis
Department of Energy
Dissertation Abstracts

Environline
Government Printing Office
Life Sciences
National Technical Information Service
Oceanic Abstracts
Pollution Abstracts
Zoological Abstracts

Key words used in these searches include: whales, cetaceans, bowhead, gray, right, Balaena mysticetus, Eschrichtius robustus, and Balaena glacialis.

References are cited according to the following format:

Author(s). Date. Title, pp.x-xx. In: Editor's name, ed., Title, Conference title, Date of conference. Place of conference. Report #. Agency that contracted for or sponsored the work, Location of agency, Contract no. Place of publication or location of institute that did the work: Publisher or agency that did the work.

Only information appropriate for the particular reference is included. (e.g. only conference proceedings include title, place, and date of the conference). Journal articles are cited as follows:

Author. Date. Title. Journal title, vol. no. (issue no. if issues not paginated consecutively): page numbers.

An asterisk (*) indicates citations included in the visual matrix. Each reference in the bibliography is followed by a listing of pertinent geographical area(s), topics covered in article, and key words describing content of the reference.

Geographical areas, topics and key words originally were specified by MMS, Alaska Regional Office. Additional key words and geographical areas were added by the compilers when needed. Geographical areas include:

NPAC- North Pacific, north of 50 degrees. In the gray whale bibliography NPAC refers to the Pacific north of the equator.
GOAK- Gulf of Alaska
BERS- Bering Sea
CHUK- Chukchi Sea
BEAU- Beaufort Sea- includes Canadian Beaufort
ARCT- Arctic

N/S - Not an area specific- includes references which either do not pertain to a specific geographical area or which pertain to all geographical areas.

Additional geographical areas added to the original listing include: California, Canada, China, Japan, Korea, Mexico, Middle Atlantic, North Atlantic, Okhotsk Sea, Oregon and Washington.

Key words used in the bibliography are listed under each topic area and are defined in Table 1.

Multiple author references included in the visual matrices are cited as Richardson et al., date, sequential letter. The phrase "et al." may refer to different sets of secondary authors, ie., Richardson et al. 1985b refers to Richardson, W. J., R. A. Davis, C. R. Evans, and P. Norton, whereas Richardson et al. 1985c refers to Richardson, W. J., R. S. Wells and B. Wursig. Multiple author references from the same year were assigned sequential letters in alphabetical order if possible.

References for all three bibliographies are contained in one computerized data base. Thus any one bibliography does not necessarily contain all references by the same author(s) which were assigned sequential letters; ie., only Braham, H. W. 1981e appears in the bowhead bibliography.

Table 1. Topics and Key Words Used in Whale Bibliographies and Visual Matrices

ECOLOGY

Behavior- way in which the whale acts, especially in response to a stimulus.

Energetics- studies involving physiological rates, food requirements, energy budgets, and/or energy flow of stocks and/or individual whales.

Evolution- evolutionary history of a species; phylogenetic or ontogenetic relationships.

Feeding- includes descriptions of feeding activities and behavior, and species utilized as prey.

Habitat- that part of a biome in which whales attempt to make a living.

Life History- stages which the whale pass through in development from the fertilized egg until its death.

Sounds- vocalizations made by whales. Includes basic physical characteristics of sounds and behaviors associated with sound production.

Strandings- records of whales washed onto beaches or trapped in shallow waters from which they can't escape.

Techniques- equipment or procedures used in conjunction with ecological studies.

BIOLOGY

Growth- increases in size and weight of an individual.

Histology- microscopic structure and arrangement of the tissues of the whale.

Individual ID- procedures used to identify and/or track specific whales.

Morphology- form and structure of organisms or parts of organisms.

Pathology- disease causing - includes discussions of diseases, parasite infestation, and effects of pathogens and/or parasites on whales.

Physiology- life processes and functions of organs/organ systems of whales.

Reproduction- studies of mating behavior, fecundity, timing of mating, calving, nursing of calves, growth of calves, etc.

Taxonomy- classification based on evolutionary relationships.

Techniques- equipment or procedures used to undertake biological studies.

ABUNDANCE & DISTRIBUTION

Abundance- census studies, reports of direct counts, and estimates of population size.

Distribution- areas where found, changes in range.

Historical Review- studies of estimated population size and distribution of whales from a historical perspective.

Migration- seasonal movements.

Techniques- equipment or procedures used in conjunction with abundance and distribution studies.

POPULATIONS DYNAMICS

Historical Review- studies of population dynamics of whales from a historical perspective.

Life History- changes which whales pass through in their development throughout entire life span - includes papers and reports which consider life history aspects of populations instead of individual whales.

Management- judicious use of whale resources for man's benefit - includes discussions of harvest limitations, habitat and species protection, study of population yields, recommended actions or policies to protect populations.

Mortality- studies of death due to natural causes, i.e. disease, predation, old age.

Population Structure- studies of age, sex, and size distribution of whale populations.

Recruitment- number of whales in a single year-1 group entering a stock during given period and number of calves that are successfully weened.

Stock Assessment- evaluation of numbers, age or size distribution, etc. of discrete populations of whales.

Techniques- equipment or procedures used in conjunction with population dynamics studies.

NOISE -sounds which elicit or potentially elicit a disturbance response from whales; sounds caused by man's activities in or near waters occupied by whales - includes vehicular noise from AIRCRAFT, HELICOPTERS, and SURFACE VESSELS.

Ambient- background levels of sounds experienced by whales.

Disturbance- any disruption in the whale's utilization of migratory routes, feeding grounds, or other habitats due to noise levels caused by man's activities.

Dredging- noise associated with dredging activities.

Drilling- sounds associated with exploration and/or development of offshore oil and gas resources.

Explosions- sounds related to oil and/or gas exploration, test sites and production activities.

Seismic- sounds associated with oil and/or gas exploration using seismic techniques and equipment.

SUBSISTENCE WHALING^{*}

Conservation- efforts directed at prevention of further decline of whale stocks, and practices aimed at restoring depleted stocks.

^{*} An important subsistence fishery for bowhead whales continues today. Gray whales are a minor component of this subsistence fishery and right whales are not taken in the subsistence fishery. The topic "Subsistence Whaling" receives greater coverage, therefore, in the bowhead bibliography than in either the gray whale or the right whale bibliographies.

Historic Subsistence Whaling- whaling morality resulting from subsistence hunting; effects of whaling on population dynamics of whales; accounts of native subsistence whaling prior to 1950.

Management- judicious use of whale resources to insure continuing availability for subsistence use by native peoples; Includes harvest regulations, habitat and species protection, and recommended actions or policies.

Recent Whaling- current whaling activities, harvest levels, whaling practices, etc. of native peoples who utilize harvested whales for personal consumption; includes discussion of legal ramifications of such activities.

COMMERCIAL WHALING

Historic Commercial Whaling- accounts of commercial whaling activities.

CONTAMINANTS- related to oil and/or gas exploration and/or production activities- literature specifically pertaining to bowhead, gray and right whales - or to effects of contaminants related to oil/gas activities on other cetaceans.

PROBABILITY OF OIL SPILL ENCOUNTER (POSE)

Models (POSE)- simulation studies of the probability of encountering oil spills under varying environmental conditions and oil spill scenarios.

PETROLEUM EFFECTS ON CETACEANS (PEC)

Avoidance- movement of whales from waters contaminated by petroleum hydrocarbons.

Detection- ability of whales to sense hydrocarbon pollution and to respond in an evasive manner.

Disturbance- changes in swimming and migratory patterns, feeding habits and feeding grounds, and mating/reproductive behavior due to hydrocarbon.

External Contact- effects of external contact with hydrocarbon pollution.

Ingestion- uptake of petroleum hydrocarbons accidentally or as a result of feeding activities.

Inhalation- internal absorption of petroleum hydrocarbons in conjunction with respiratory activities.

Models (PEC)- simulation studies of petroleum effects on cetaceans under varying environmental conditions and spill scenarios.

PETROLEUM EFFECTS ON PREY- sublethal and/or lethal effects of exposure to or ingestion of petroleum hydrocarbons by prey species of whales. Includes studies of bioaccumulation through food webs.

LONG TERM EFFECTS

Changes in Migration- alternation of traditional, migratory patterns.

Disturbance- seasonal or longer changes in swimming and migratory patterns, feeding habits and feeding grounds, and mating/reproductive behavior.

Habitat Abandonment- avoidance of waters traditionally used in feeding, migration, etc.

Productivity Reduction- reduction in carrying capacity of a habitat.

Prey Reduction- decrease in biomass of available food organisms.

- * Acoustical Society of America (USA). 1981. San Diego workshop on the interaction between man-made noise and vibration and Arctic marine wildlife, 25-29 February 1981, San Diego, CA. Unpubl. rept. for AK Eskimo Whaling Commission, Barrow, AK. Washington, D.C.: Acoustical Society of America.

Geographical area(s): N/S, BEAU

Noise:

aircraft, ambient, dredging,
drilling, helicopter, seismic, surface vessels

Adams, L. 1968. Census of the gray whale, 1966-67. Nor. Hvalfangst Tid. 57:41-43.

Geographical area(s): NPAC, CA, MEXI

Abundance & Distribution:

abundance, techniques, migration

Adams, M., & R. Dronenberg. 1980. Why not the gray whale?: Substitution would affect nutrition food chain. Arct. Cstl. Man. Newsl. 30:9-11.

Geographical area(s):

Ainley, D. G., G. W. Page, L. T. Jones, L. E. Stenzel, & R. L. LeValley. 1980. Beached marine birds and mammals of the North American west coast: A manual for their census and identification. FWS/OBS-80/03. Washington, D.C.: USFWS, Biological Services Program.

Geographical area(s): N/S

Biology:

morphology, taxonomy

Ecology:

strandings

Alaska Geographic. 1979. Alaska whales and whaling. AK Geogr. 5(4).

Geographical area(s): ARCT, NPAC, GOAK, BERS, BEAU, CHUK

Ecology:

life history

Abundance & Distribution:

abundance, distribution

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Commercial Whaling:

historic commercial whaling

Albert, T. F. 1980a. Tissue structural studies and other investigations on the biology of endangered whales, pp.97-101. In: J. L. Imm, ed., Interagency meeting to review, coordinate, and plan bowhead whale research, other cetacean research, and related research bearing upon the conservation and protection of endangered marine species in Alaska and elsewhere. Presentation, OCS Endangered Species Research Program Review, 12-14 November 1980. Seattle, WA: AK OCS Office.

Geographical area(s): N/S

Biology:

histology, physiology

Albert, T. F. 1981a. Determination of levels of toxic substances in selected tissues of the bowhead whale, '*Balaena mysticetus*', and gray whale, '*Eschrichtius robustus*', pp.47-49. In: T. F. Albert, ed., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. for period 1 April 1980 through 30 June 1981 for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, N/S

Biology:

pathology

Albert, T. F. 1981e. Project management, coordination of research effort and collection of tissue specimens from the bowhead whale, '*Balaena mysticetus*', and the gray whale, '*Eschrichtius robustus*', pp.19-42. In: T. F. Albert, ed., Tissue structural studies & other investigations on the biology of endangered whales in the Beaufort Sea, vol.1. Final rept. for period 1 April 1980 - 30 June 1981 for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. of MD.

Geographical area(s): N/S

Biology:

physiology, histology

Albert, T. F., & L. M. Philo. 1979. Tissues (structure/function), pp.187-212. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S, BEAU

Biology:

histology, physiology, morphology,

pathology

Aldrich, H. L. 1889. Arctic Alaska and Siberia, or eight months with the Arctic whaleman. Chicago: Rand McNalley.

Geographical area(s): N/S, BEAU, CHUK, ARCT

Ecology:

sounds

Allen, K. F. 1974. Recruitment to whale stocks, pp.352-358.

In: W. E. Schevill, ed., The whale problem: A status report.

Cambridge, MA: Harvard Univ. Press.

Geographical area(s): N/S

Population Dynamics:

recruitment

Allen, K. R. 1980. Conservation and management of whales.

WA Sea Grant. Seattle, WA: Univ. WA Press.

Geographical area(s): N/S

Population Dynamics:

models, management, recruitment,
stock assessment

Ecology:

life history, feeding

Subsistence Whaling:

conservation, management

Abundance & Distribution:

abundance, distribution, migration

Commercial Whaling:

historic commercial whaling

Andreeva, T. V., & A. V. Yablokov. 1965. Novoe v razrabotke

metodiki opredeleniya bozrasta usatykh kitov [A new

contribution to the development of methods for determining the age of baleen whales]. Zoologicheskii Zhurnal 40(1):145-146.

(Transl. by Fish. Res. Board Canada 1965, Transl. Ser. 560.)

Geographical area(s): N/S

Andrews, R. C. 1914. Monographs of the Pacific cetacea: 1) The

California gray whale ('Rhachianectes glaucus' Cope). Mem.

Amer. Mus. Nat. Hist., n.s.1:227-287.

Geographical area(s): NPAC

Biology:

anatomy, reproduction

Ecology:
behavior, life history

Anonymous. 1890. Hogeï Tokei [Whale catch statistics].
Dainihon Suisankai Hokoku 104:142-145.

Geographical area(s): NPAC, JAPA
Subsistence Whaling:
subsistence whaling - historic
Commercial Whaling:
historic commercial whaling

Anonymous. 1925. Graahvalen. Nor. Hvalfangst Tid. 15(3):
35-36, 39-42.

Geographical area(s): NPAC
Commercial Whaling:
historic commercial whaling

Anonymous. 1937. Tsurohogeishi [Whaling history of Tsuro].
Tokyo: Tosataro Yamali.

Geographical area(s): NPAC, JAPA
Subsistence Whaling:
subsistence whaling - historic
Commercial Whaling:
historic commercial whaling

Anonymous. 1949. Whaling - as the Quinault Indians used to
harpoon'em. International Fisherman and Allied Worker,
6 Sept., 6.

Geographical area(s): NPAC, WA
Subsistence Whaling:
subsistence whaling - historic

Anonymous. 1968. Whale hunt, modern style, with camera at
San Diego. Vancouver Sun, January 5, 1968.

Geographical area(s): NPAC, CA
Biology

Anonymous. 1978. IWC raises bowhead take, reduces other
quotas. Sea Technol. 19(8): 71.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
management
Abundance & Distribution:

abundance
Population Dynamics:
management

Anthony, A. W. 1921. The California gray whale on the coast of southern California. J. Mammal. 2:174.

Geographical area(s): NPAC
Abundance & Distribution:
abundance, review

- * Applied Science Associates, Inc. & Hubbs Marine Research Institute. 1985. Bowhead and gray whale migration models. Interim rept. for MMS, Anchorage, AK, Contract no. 14-12-0001-30076.

Geographical area(s): BEAU, PERS, CHUK, GOAK
Probability of Oil Spill Encounter:
models
Abundance & Distribution:
migration, distribution

Arai, Y., & S. Sakai. 1952. Whale meat in nutrition. Sci. Rep. Whales Res. Inst. 7:51-67.

Geographical area(s): N/S
Biology

Arnason, U. 1974. Comparative chromosome studies in Cetacea. Hereditas 77:1-36.

Geographical area(s): N/S
Biology:
taxonomy, physiology, morphology
Ecology:
evolution

Arnason, U., I. F. Purdom, & K. W. Jones. 1982. Cetacean molecular hybridization using balaenopterid satellite DNA complementary RNA as probes. Hereditas 97:33-36.

Geographical area(s): N/S
Biology:
taxonomy
Ecology:
evolution

Arsen'yev, V. A. 1961. The whales distribution in the Bering Sea and the perspective of the whaling development. Tr. Soveshch. Ikhtirol. Kom. 12:112-124.

Geographical area(s): BERS
 Abundance & Distribution:
 distribution
 Subsistence Whaling

Arsen'yev, V. A., V. A. Zemsky, & I. S. Studenetskaya. 1973.
 Gray whale, 'Eschrichtius robustus' Gray, 1864, pp.30-35. In:
 Marine mammals. Moscow: Pishulevaya Promyshlennost.

Geographical area(s): BERS, CHUK
 Abundance & Distribution:
 abundance, distribution

Arvy, L. 1973. Quels etaient les 60 mammiferes marins tues
 en deux jours par Ottar, Vers 880. Ann. Soc. Sci. Nat.
 Charente-Marit. 6(5): 348-350.

Geographical area(s):

Asa-Dorian, P. V., & P. J. Perkins. 1967. The controversial
 production of sound by the California gray whale 'Eschrichtius
 gibbosus'. Nor. Hvalfangst Tid. 56(4): 74-77.

Geographical area(s): NPAC, MEXI, CA
 Ecology:
 sounds

Audubon. 1975. January 1985, Vol.77, No. 1.

Geographical area(s): N/S
 Biology:
 taxonomy
 Subsistence Whaling:
 conservation, whaling (recent), subsistence whaling - historic
 Ecology:
 behavior, life history
 Commercial Whaling:
 historic commercial whaling

Bailey, A. M., & R. W. Hendee. 1926. Notes on the mammals of
 northwestern Alaska. J. Mammal. 7:9-28.

Geographical area(s): BERS, CHUK, BEAU
 Biology:
 morphology
 Subsistence Whaling:
 subsistence whaling - historic
 Abundance & Distribution:

distribution

Ecology:

behavior

Balcomb, K. C. 1974. The birth of a gray whale. Pac. Discovery 27(3): 28-32.

Geographical area(s): NPAC, MEXI

Biology:

reproduction

Ecology:

behavior

Baldrige, A. 1972. Killer whales attack and eat a gray whale. J. Mammal. 53:898-900.

Geographical area(s): NPAC, CA

Ecology:

behavior

Population Dynamics:

mortality

Baldrige, A. 1974. Migrant gray whales with calves and sexual behavior of gray whales in the Monterey area of central California, 1967-1973. Fish. Bull., U. S. 72(2): 615-618.

Geographical area(s): NPAC, CA

Biology:

reproduction

Ecology:

behavior

Abundance & Distribution:

migration

Barabush-Nikiforov, I. 1938. Mammals of the Commander Islands and the surrounding sea. J. Mammal. 19:423-429.

Geographical area(s): BERS, NPAC

Biology

Barham, E. G. 1982. Marine mammals in Monterey Bay, California, during the years 1950 - 1955. CA Fish & Game 68(4): 213-223.

Geographical area(s): NPAC, CA

Abundance & Distribution:

distribution

Barnard, J. L. 1969. The families and genera of marine gammaridean amphipods. Bull. U. S. Nat. Mus. no. 271.

Geographical area(s): N/S

Ecology:

feeding

Barnes, L. G., & S. A. McLeod. 1984. The fossil record and phyletic relationships of gray whales, pp.3-32. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): N/S

Biology:

taxonomy

Ecology:

evolution

Bartholomew, G. A. 1974. The relation of the natural history of whales to their management, pp.294-302. In: W. E. Schevill, ed., The whale problem: A status report. Cambridge, MA: Harvard Univ. Press.

Geographical area(s): N/S

Population Dynamics

Ecology:

life history, habitat

Bean, M. A. 1981. Legal aspects of gray whale conservation, pp.276-98. In: S. Kaza, ed., Background papers for workshop on international cooperation for conservation of gray whales. Oakland, CA: World Wildlife Fund - U.S. I.U.C.N. Whale Center.

Geographical area(s): NPAC, MEXI

Subsistence Whaling:

management

Beddard, F. E. 1900. A book of whales. London: G. P. Putnam's Sons.

Geographical area(s): NPAC

Biology

Bee, J. W., & E. R. Hall. 1956. Mammals of northern Alaska and the Arctic slope. Univ. KS (Lawrence) Mus. Nat. Hist. Misc. Publ. no. 8.

Geographical area(s): BEAU, CHUK, BERS

Biology

Belda, D. L., L. Adams, & S. G. Losocki. 1969. Dos mamíferos marinos de Baja California, pp.73-110. Ediciones del Instituto Mexicano de Recursos Naturales Renovables, A. C.

Geographical area(s): NPAC, MEXI, CA, BERS

Ecology:

behavior, life history

Abundance & Distribution:

migration

Biology:

physiology

Population Dynamics:

management

Bennett, J., & D. Ljungblad. 1983. Field use of a portable computer system on aerial surveys of endangered whales in Alaskan waters, p.8. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S

Biology:

techniques

Abundance & Distribution:

abundance

Bennett, B., S. L. Swartz, & E. Wynne. 1983. The oceanic society field guide to the gray whale. San Francisco, CA: Legacy Publishing Co.

Geographical area(s): N/S

Biology:

reproduction

Ecology:

evolution, life history, feeding, behavior

Commercial Whaling:

historic commercial whaling

Abundance & Distribution:

migration, distribution

Berdeque, J. 1957. Latest census of the gray whale in waters of Baja, California. In Spanish. Ciencia (Mexico) 16(4-6): 99-109.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance

Berzin, A. A. 1978a. Distribution and number of protected whales in the Pacific ocean. Biol. Sea. 4:12-29.

Geographical area(s): NPAC, KORE

Abundance & Distribution:

distribution, abundance

Population Dynamics:

stock assessment

Berzin, A. A. 1978b. Distribution and number of whales in the Pacific whose capture is prohibited. Biologiya Morya [Sov. J. Mar. Biol.] 4:738-743.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK, OKHO

Abundance & Distribution:

distribution, abundance

Berzin, A. A. 1984. Soviet studies on the distribution and numbers of the gray whale in the Bering and Chukchi Seas from 1968 to 1982, pp.409-419. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

abundance, distribution

Berzin, A. A., & A. A. Kuz'min. 1975. Serye i gladkie Kity okhotskogo moria [Gray and right whales of the Okhotsk Sea], pp.30-32. In: G. B. Argarkov & I. V. Smelova, eds., Morksi mlekopitayushie [Marine mammals], pt.1, Materials Sixth All-Union Conference on Studies on Marine Mammals, 1-3 October 1975, Kiev. (In Russian, transl. avail. NMFS.)

Geographical area(s): CHUK, BEAU, BERS

Biology:

morphology, taxonomy

Berzin, A. A., & A. A. Rovnin. 1966. Raspredelenie i migratsii kitov v severo-vostochnoi chasti. Tikhogo Okeana, v Beringgovom i Chukotskom Moryakh. (Distribution and migration of whales in northeast part of the Pacific Ocean, Bering and Chukchi Seas) Izv. Tinro 58:179-207.

Geographical area(s): NPAC, BERS, CHUK

Abundance & Distribution:

distribution, migration

Ecology:

feeding

Berzin, A. A., & V. L. Vladimirov. 1981. Changes in the abundance of whalebone whales in the Pacific and the Antarctic since the cessation of their exploitation. Rept. Int. Whaling Comm. 31:495-499 (SC/32/PS 17).

Geographical area(s): NPAC, CHUK, OKHO

Abundance & Distribution:
abundance, distribution

Berzin, A. A., & A. V. Yablokov. 1978. Chislennost' i populyatsionnaya struktura osnovnykh ehkspluatiruemykh vidov kitoobraznykh Mirovogo okeana [The numbers and population structure of major exploited cetacean species of the World Ocean]. Zool. Zh. 57(12): 1771-1785.

Geographical area(s): N/S

Abundance & Distribution:
abundance

Subsistence Whaling:
conservation, management

Population Dynamics:
population structure

Bird, J. E. 1977. Whales, whaling, dolphins and porpoises. Publ. no. ACSSD-1. San Diego, CA: American Cetacean Soc.

Geographical area(s): N/S

Biology
Population Dynamics

Subsistence Whaling

- * Bird, J. E. 1983. The California gray whale, 'Eschrichtius robustus': A review of the literature on migratory and behavioral characteristics, pp.A1-A106. In: Investigations of the potential effects on underwater noise from petroleum industry activity on migrating gray whale behavior. Final rept. for the period 7 June 1982 - 31 July 1983 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S

Ecology:
behavior, sounds

Abundance & Distribution:
migration, abundance, distribution

Noise:
helicopter, aircraft, dredging,
drilling, seismic, surface vessels, explosions

Long Term Effects:
abandonment of habitat

Biology:

individual identification
 Population Dynamics:
 population structure

Bird, J. E. 1985. The effect of seismic operations on marine mammals; a literature review update. Investigation of the potential effects of underwater noise from petroleum industry activities on feeding humpback whale behavior. BBN rept. no. 5851 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S, NPAC, BEAU
 Noise:
 seismic, surface vessels, drilling,
 dredging
 Ecology:
 techniques, behavior

Birnie, P., & R. Sandbrook. 1979. Mar. Policy IWC: Increasing complexities. Rept. Int. Whaling Comm. 31:69-72.

Geographical area(s): NPAC, BEAU, BERS, CHUK
 Subsistence Whaling:
 management

Blokhin, S. A., & V. A. Pavlyuchkov. 1983. Feeding of gray whales off Chukotka. Rept. Int. Whaling Comm. 33:549-552.

Geographical area(s): BERS, CHUK
 Ecology:
 feeding

Blokhin, S. A., & V. A. Pavlyuchkov. In press. Feeding of gray whales in summer-fall in the inshore Chukotka waters. U.S.-U.S.S.R. Protection of the Environment Cooperative Research Program.

Geographical area(s): BERS, CHUK
 Ecology:
 feeding

Blokhin, S. A. 1979. On the status of the gray whale stocks in the coastal waters of the Chukotka Peninsula. Rept. Int. Whaling Comm. 29:335-336.

Geographical area(s): CHUK
 Abundance & Distribution:
 distribution, abundance

Blokhin, S. A. 1981. The results of studies of the California - Chukotka population of gray whales, taken in the Chukotka Peninsula's waters in 1980, pp.78-87. In: Studies of marine mammals in the North Pacific in 1980-1981. Moscow: Nauka.

Geographical area(s): CHUK, BERS

Abundance & Distribution:

abundance, distribution

Blokhin, S. A. 1982. Investigations on gray whales taken off Chukotka in 1980. Rept. Int. Whaling Comm. 32:375-380 (Annual Meeting, 1981, SC/33/PS10).

Geographical area(s): BERS, CHUK

Blokhin, S. A. 1984a. Investigations of gray whales taken in the Chukchi coastal waters, USSR, pp.487-509. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): CHUK

Biology:

physiology, reproduction, morphology,
pathology

Ecology:

life history, feeding

Subsistence Whaling:

whaling (recent)

Abundance & Distribution:

distribution

Blokhin, S. A. 1984b. Investigations of gray whales taken off Chukotka in 1982. Rept. Int. Whaling Comm. 34:461-463. (SC/35/PS22)

Geographical area(s): BERS, CHUK

Subsistence Whaling:

whaling (recent)

Abundance & Distribution:

distribution

Blokhin, S. A. 1984c. Some aspects of reproduction in the California-Chukchi Sea stock of Gray Whales. Rept. Int. Whaling Comm. 34:457-459. (SC/35/PS21)

Geographical area(s): CHUK

Biology:

physiology, reproduction

Blokhin, S. A., & V. A. Pavlyuchkov. 1981. Feeding of the gray whales of the California-Chukotka population in the waters of the Chukotka Peninsula in 1980, pp.88-98. In: Scientific study of marine mammals in the northern part of the Pacific Ocean in 1980-1981, Proj. 021-05-61. Moscow: VNIRO.

Geographical area(s): CHUK, BERS

Ecology:

feeding

Blokhin, S. A. & V. L. Vladimirov. 1983. Investigations of Gray Whales taken off Chukotka in 1981. Rept. Int. Whaling Comm. 33:553-555.

Geographical area(s): BERS, CHUK

Subsistence Whaling:

whaling (recent)

Abundance & Distribution:

distribution

Boas, F. 1909. The Kwakiutl of Vancouver Island. Mem. Amer. Mus. Nat. Hist. 8:305-322. (Reprint from Jessup North Pacific Expedition, vol.5, pt.2.)

Geographical area(s): NPAC, CANA

Subsistence Whaling:

subsistence whaling - historic

Bogoslovskaya, L. S., & A. A. Lemberg. 1979. Morphology of cerebral brain of the gray whale, 'Eschrichtius robustus', pp.238-239. In: All-Union Conf. Status Prospective Dev. Morphol.

Geographical area(s): N/S

Biology:

morphology

Bogoslovskaya, L. S., L. M. Votrogov, & T. N. Semenova. 1981. Feeding habits of the gray whale of the Chukotka. Rept. Int. Whaling Comm. 31:507-510 (SC/32/PS 20).

Geographical area(s): BERS, CHUK

Ecology:

feeding, behavior

Bogoslovskaya, L. S., L. M. Votrogov, & T. N. Semenova. 1982.
Distribution and feeding of gray whale in the waters of the
Chukotka Peninsula in summer and autumn of 1980. Rept. Int.
Whaling Comm. 32:385-389. (SC/33/PS15).

Geographical area(s): CHUK, BERS

Ecology:
feeding

Bostic, D. L. 1975. A natural history guide to the Pacific
coast of north central Baja California and adjacent islands.
Vista, CA: Biological Educational Expeditions.

Geographical area(s): NPAC, MEXI

Ecology:
life history, behavior
Abundance & Distribution:
distribution

Bowen, S. L. 1974. Probable extinction of the Korean stock of
the gray whale, '*Eschrichtius robustus*'. J. Mammal. 55:208 -
209.

Geographical area(s): NPAC, KORE

Population Dynamics:
stock assessment
Abundance & Distribution:
abundance

Braham, H. W. 1977. California gray whale, '*Eschrichtius*
robustus', spring migration in Alaska, p.59. In: Abstracts,
Proceedings of the Conference on the Biology of Marine
Mammals.

Geographical area(s): NPAC, GOAK, BERS

Abundance & Distribution:
migration

Braham, H. W. 1981a. Gray whale: A historical biological
account. For: Survival of the Gray Whale, an International
Conference to be held January 1982, Mexico City, Mexico.

Geographical area(s): N/S

Biology:
reproduction
Abundance & Distribution:
migration, abundance
Ecology:
feeding
Subsistence Whaling:

whaling (recent), management, disturbance

Braham, H. W. 1981b. La substitucion de la ballena gris 'Eschrichtius robustus' por la ballena bowhead 'Balaena mysticetus' por los esquimales de Alaska [Substitution of the gray whale 'Eschrichtius robustus' for the bowhead whale, 'Balaena mysticetus', by the Alaskan eskimos]. Sociedad Mexicana Estudio Mamiferos Marinos, A.C., La Paz (Mexico).
6. Reun. Int. para el Estudio de los Mamiferos Marinos de la Peninsula de Baja California La Paz (Mexico), 10 Feb 1981.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Subsistence Whaling:

management, subsistence whaling - historic, whaling (recent)

Commercial Whaling:

historic commercial whaling

Braham, H. W. 1982a. Operating plans and objectives for the cetacean research program for FY 1983. Seattle, WA: NOAA, NMFS, National Marine Mammal Lab. (7600 Sand Point Way, Seattle, WA 98115).

Geographical area(s): BEAU, BERS, CHUK

Ecology:

life history

Abundance & Distribution:

abundance

Braham, H. W. 1984a. Coastal migrating whales, pp.341-343. In: D. E. Davis, ed., CRC handbook of census methods for terrestrial vertebrates. Boca Raton, FL: CRC Press.

Geographical area(s): N/S

Abundance & Distribution:

abundance, migration, techniques

Population Dynamics:

techniques

Braham, H. W. 1984c. The status of endangered whales: An overview. Mar. Fish. Rev. 46(4): 2-6.

Geographical area(s): N/S

Abundance & Distribution:

abundance

Population Dynamics:

review, stock assessment, management

- * Braham, H. W. 1984d. Distribution and migration of gray whales in Alaska, pp.249-66. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): BERS, GOAK, CHUK

Abundance & Distribution:

distribution, migration

Ecology:

feeding

Braham, H. W., & R. W. Mercer. 1978. Seasonal distribution and relative abundance of marine mammals in the Gulf of Alaska, pp.15-28. In: Environmental assessment of the Alaskan continental shelf, annual reports, vol.1. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): GOAK, NPAC

Abundance & Distribution:

abundance, distribution

Braham, H. W., T. Bray, R. Everitt, B. Krogman, P. McGuire, R. Mercer, M. Nerini, C. Peterson, D. Rugh, N. Severinghaus, R. Sonntag, & D. Withrow. 1977a. Marine Mammal Division, Outer Continental Shelf Environmental Assessment Program Studies in Alaska, p.5. In: Second Conference on the Biology of Marine Mammals, 12 December 1977, San Diego, CA.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

distribution, migration

Braham, H. W., R. D. Everitt, B. D. Krogman, D. J. Rugh, & D. E. Whithrow. 1977b. Marine mammals of the Bering Sea: A preliminary report on distribution and abundance, 1975-76. Processed rept. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center (2725 Montlake Blvd E, Seattle, WA 98112).

Geographical area(s): BERS

Abundance & Distribution:

distribution, abundance

Braham, H. W., C. H. Fiscus, & D. Rugh. 1977c. Marine mammals of the Bering and southern Chukchi Seas, pp.1-99. In: Environmental assessment of the Alaskan continental shelf, annual repts, vol. 1. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

abundance, distribution

Braham, H. W., B. Krogman & C. Fiscus. 1977d. Bowhead, 'Balsena mysticetus', and beluga, 'Delphinapterus leucas', whales in the Bering, Chukchi and Beaufort Seas, pp.134-160. In: Receptors - mammals, vol. 1 of Environmental assessment of the Alaska continental shelf: Annual rept. of principal investigators for the year ending March, 1977. NOAA/ERL-AR-77-1. Boulder, CO: NOAA, Environmental Research Lab.

Geographical area(s): BEAU, CHUK, BERS

Abundance & Distribution:

abundance, distribution, migration

Braham, H. W., G. W. Oliver, C. Fowler, K. Frost, F. Fay, C. Cowles, D. Costa, K. Schneider, & D. Calkins. 1982. Marine mammals, pp.55-81. In: M. J. Hameedi, ed., Proceedings of a synthesis meeting: St. George Basin environment and possible consequences of planned offshore oil and gas development, 28-30 April 1981, Anchorage, AK. Juneau, AK: NOAA, BLM, OCS Environmental Assessment Program.

Geographical area(s): BERS

Abundance & Distribution:

abundance, distribution, migration

Ecology:

feeding

Effects of Petroleum on Cetaceans:

external contact, distribution

Noise:

aircraft, surface vessels, seismic

Braithwaite, L. F. 1979c. Trophics, pp.493-516. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU

Ecology:

feeding

Braithwaite, L. F. 1979b. Trophics: Major prey species of bowhead and gray whales, pp.467-469. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, CHUK

Ecology:

feeding

Briggs, K. T., & G. V. Morejohn. 1972. Barnacle orientation and water flow characteristics in California gray whales. J. Zool. (London) 167:287-292.

Geographical area(s): N/S
Biology:
 physiology

Brooks, J. 1957. Marine mammals in relation to commercial fisheries in Alaska, pp.23-24. In: Abstracts, Science in Alaska, Proceedings, Eighth Alaska Science Conference, 10-13 September 1957, Anchorage, AK.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)

Brooks, J. W. 1979. Status of marine mammal stocks in Alaska. Science in Alaska, Proceedings, 29th Alaska Science Conference, 15-17 August 1978, Fairbanks, AK.

Geographical area(s): BEAU, CHUK, BERS
Abundance & Distribution:
 distribution, abundance, migration
Subsistence Whaling:
 whaling (recent), management
Population Dynamics:
 management

- * Brownell, R. L., Jr. 1971. Whales, dolphins and oil pollution, pp.255-76. In: D. Straughen, ed., Biology and bacteriology, vol.1 of Biological and oceanographical survey of the Santa Barbara Channel oil spill, 1969-1970. Los Angeles, CA: Allan Hancock Foundation, Univ. Southern CA.

Geographical area(s): NPAC, CA
Ecology:
 strandings
Effects of Petroleum on Cetaceans:
 external contact, ingestion

Brownell, R. L., Jr. 1977. Current status of the gray whale. Rept. Int. Whaling Comm. 27:209-211.

Geographical area(s): N/S
Abundance & Distribution:
 abundance, distribution

Brownell, R. L., Jr., & C. I. Chun. 1977. Probable existence of Korean stock of the gray whale '*Eschrichtius robustus*'. J. Mammal. 58: 237-239.

Geographical area(s): NPAC, KORE

Population Dynamics:

stock assessment

Abundance & Distribution:

abundance

Brueggeman, J. J., R. A. Grotefendt, & A. W. Erickson. 1983. Endangered whale abundance and distribution in the Navarin Basin of the Bering Sea during the ice-free period, pp.201-238. In: Biological Interactions Among Marine Mammals & Fisheries in Bering Sea Conference, 18-21 October 1983, Anchorage, AK.

Geographical area(s): BERS

Abundance & Distribution:

abundance, distribution

Brueggeman, J. J., R. A. Grotefendt, & A. W. Erickson. 1984. Endangered whale survey of the Navarin Basin, Alaska. Unpubl. rept. for NOAA, OCS Environmental Assessment Program, Juneau, AK. Bellevue, WA: Envirosphere Co.

Geographical area(s): BERS

Abundance & Distribution:

abundance, migration, distribution

Bryant, P. J. 1980. Gray whales of Guereor Negro Lagoon, Baja California. Unpubl. (Dept. of Developmental and Cell Biology, Univ. CA, Irvine, CA).

Geographical area(s): NPAC, MEXI

Ecology:

life history, behavior

Abundance & Distribution:

distribution

Bryant, P. J., & C. M. Lafferty. 1980. The gray whales of Laguna Guerrero Negro. Whalewatcher 14(4): 3-5.

Geographical area(s): NPAC, MEXI

Ecology:

behavior

Abundance & Distribution:

abundance, distribution

Bryant, P., & S. K. Lafferty. 1982. Gray whales '*Eschrichtius robustus*' in Laguna Guereor Negro, Baja California: 1982 season. Unpubl. (School of Biological Sciences, Univ. CA, Irvine, CA).

Geographical area(s): NPAC, MEXI

Ecology:

life history, behavior

Abundance & Distribution:

distribution

Bryant, P. J., C. M. Lafferty, & S. K. Lafferty. 1981. Gray whales '*Eschrichtius robustus*' in Laguna Guerrero Negro, Baja California: 1981 season. Unpubl. (Dept. Developmental & Cell Biology, Univ. CA, Irvine, CA).

Geographical area(s): NPAC, MEXI

Ecology:

behavior, life history

Abundance & Distribution:

distribution

Bryant, P. J., C. M. Lafferty, & S. K. Lafferty. 1984. Reoccupation of Laguana Guerrero Negro, Baja California, Mexico, by gray whales, pp.375-87. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, '*Eschrichtius robustus*'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, MEXI

Population Dynamics:

mortality

Noise:

dredging, surface vessels

Long Term Effects:

abandonment of habitat

Abundance & Distribution:

abundance

Bureau of Land Management. 1980. Biological studies of endangered species occurring within areas of proposed agency action. Mem. from Associate Solicitor, Div. of Energy and Resources, BLM, Washington, D.C.

Geographical area(s): N/S

Subsistence Whaling:

management

Burnham, K. P., D. R. Anderson, & J. L. Laake. 1980. Estimation of density from line transect sampling of biological populations. J. Wildl. Man. 44(2) (suppl.: Wildlife Monographs no. 72).

Geographical area(s): N/S
 Abundance & Distribution:
 abundance, techniques

Burns, J. J., L. H. Shapiro, & F. H. Fay. 1981. The relationships of marine mammal distributions, densities and activities to sea ice conditions, pp.489-670. In: Biological sciences, vol.11 of Environmental assessment of the Alaskan continental shelf. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): BEAU, BERS, CHUK
 Abundance & Distribution:
 abundance, distribution
 Ecology:
 habitat

Burns, J. J., F. H. Fay, K. J. Frost, & R. V. Miller. 1985. Soviet-American marine mammal research cruise on the ZRS Zakharovo, Bering Sea, 15 March - 26 April 1985.

Geographical area(s): BERS
 Abundance & Distribution:
 distribution

Burns, J. J. 1984. Living resources, pp.75-104. In: W. E. Westermeyer & K. M. Schusterich, eds., The United States Arctic interests: The 1980's and 1990's, vol. 1. New York: Springer-Verlag.

Geographical area(s): ARCT, BERS, BEAU, CHUK
 Abundance & Distribution:
 abundance
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent), management

Burrage, B. R. 1964. An observation regarding gray whales and killer whales. Trans. KS Acad. Sci. 67:550-551.

Geographical area(s): NPAC, CA
 Ecology:
 behavior
 Population Dynamics:
 mortality

Caldwell, D. K., & M. C. Caldwell. 1963. Surfriding by the California gray whale. Bull. Southern CA Acad. Sci. 62(2): 99.

Geographical area(s): NPAC

Ecology:
behavior

Carl, C. 1967. A gray whale in inside waters. Murrelet 48(3): 56-57.

Geographical area(s): NPAC, CANA

Abundance & Distribution:
distribution

Noise:
surface vessels

Carl, C. 1968. Diving rhythm of a gray whale. Murrelet 49(1): 10.

Geographical area(s): NPAC, CANA

Ecology:
behavior, feeding

Carter, A. H. 1965. The life history and ecology of the gray whale. (Available through: British Columbia Provincial Museum, Victoria, B. C.).

Geographical area(s): NPAC

Ecology:
life history, behavior

Biology:
physiology

Caton, J. D. 1888. The California gray whale, 'Rhacheanectes glaucus', Cope. Amer. Natur. 22:509-514.

Geographical area(s): NPAC

Ecology:
life history

CCCP. 1980. Marine mammals. In Russian. Moscow: Soviet Government Press.

Geographical area(s): N/S

Commercial Whaling:
historic commercial whaling

Ecology:
life history

Abundance & Distribution:
migration, distribution

Cederlund, B. A. 1939. A subfossil gray whale discovered in Sweden in 1859. Zool. Bidr. Uppsala 18:269-285.

Geographical area(s): ATLA
 Biology:
 taxonomy

Cetus, Journal of Whales, Porpoises and Dolphins. 1983.
 Vol. 5, No. 1.

Geographical area(s): NPAC, MEXI, WA, N/S
 Ecology:
 life history
 Abundance & Distribution:
 distribution, abundance
 Subsistence Whaling:
 conservation, management

Chamberlain, F. M., & W. T. Bower. 1913. Fishery industries,
 p. 18 et seq. In: B. W. Evermann, ed., Fishery and fur
 industries of Alaska in 1912. Bur. Fish. Doc. no. 780.
 Washington: U. S. Dept. Commerce.

Geographical area(s): NPAC
 Commercial Whaling:
 historic commercial whaling

Clark, A. H. 1887. The whale fishery: 1. History and present
 condition of the fishery, pp. 3-218. In: G. B. Goode, ed.,
 The fisheries and fishing industries of the United States,
 sec. 5, pt. 2. Washington, D.C.: GPO.

Geographical area(s): NPAC, CA, MEXI
 Commercial Whaling:
 historic commercial whaling

Clark, C. W. 1985. Observations on the behavior of the gray
 whale, 'Eschrichtius robustus', in the presence of underwater
 industrial noise. In: T. F. Albert, ed., Third Conference on
 the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23
 January 1985, Anchorage, AK.

Geographical area(s): NPAC
 Ecology:
 behavior, sounds
 Noise:
 drilling, helicopter, seismic

Clark, C. W., J. Bird, P. Tyack, & V. Rowntree. 1983a.
 Effects of underwater noise on migrating gray whales off the
 coast of California. J. Acoust. Soc. Am. (suppl.1) 74.

Geographical area(s): NPAC, CA

Ecology:

behavior, techniques, sounds

Noise:

helicopter, drilling, seismic

Clark, C. W., P. Tyack, J. Bird, & V. Rowntree. 1983b.

Effects of underwater noise on migrating gray whales off the coast of California, p.18. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): NPAC, CA

Noise:

seismic, drilling

Ecology:

behavior

Abundance & Distribution:

migration

Clarke, R. 1957. Migrations of marine mammals. Nor.

Hvalfangst Tid. 46(11): 609-629.

Geographical area(s): NPAC, N/S

Biology:

reproduction

Abundance & Distribution:

migration

Ecology:

habitat

Clarke, R. 1982. An index of sighting conditions for surveys of whales and dolphins. Rept. Int. Whaling Comm. 32:559-561.

Geographical area(s): N/S

Abundance & Distribution:

abundance, techniques

Biology

Conklin, G. P. 1974. Journey of the gray whales. Illus. by L. E. Fisher, Holiday House, 1984.

Geographical area(s): NPAC, MEXI, BERS

Abundance & Distribution:

migration

Consiglieri, L. D., & H. W. Braham. 1982. Seasonal distribution and relative abundance of marine mammals in the Gulf of Alaska, pp.1-204. Submitted as part of final rept. to NOAA, AK OCS Environment Assessment Program, Research Unit 68, Juneau, AK, Contract no. R120806.

Geographical area(s): GOAK
 Abundance & Distribution:
 abundance, distribution, migration
 Ecology:
 feeding
 Noise
 Population Dynamics:
 mortality
 Biology:
 reproduction
 Long Term Effects:
 disturbance

Consiglieri, L. D., H. W. Braham, & L. L. Jones. 1980.
 Distribution and abundance of marine mammals in the Gulf of
 Alaska from the Platforms of Opportunity Program, 1978-1979.
 Processed rept. 81-04. Seattle, WA: NOAA, NMFS, Northwest &
 AK Fisheries Center.

Geographical area(s): NPAC, GOAK
 Abundance & Distribution:
 distribution, abundance

- * Cope, E. D. 1868a. On 'Agaphelus', a genus of toothless
 cetacea. Proc. Acad. Nat. Sci. Phila. 20:225-228.

Geographical area(s): NPAC, ATLA
 Biology:
 taxonomy

- * Cope, E. D. 1868b. Remarks on Cetacea at meetings of 23 June.
 Proc. Acad. Nat. Sci. Phila. 20:159-160.

Geographical area(s): NPAC, ATLA
 Biology:
 taxonomy

Cope, E. D. 1869. Systemic synopsis of the species of the
 cetaceans of the west coast of North America. Proc. Acad.
 Nat. Sci. Phila. 21:13-32, 40-49.

Geographical area(s): NPAC
 Biology:
 taxonomy
 Abundance & Distribution:
 migration
 Subsistence Whaling:
 subsistence whaling - historic
 Ecology:

behavior

Commercial Whaling:

historic commercial whaling

Cope, E. D. 1879. The California gray whale. Amer. Natur.
13:655.

Geographical area(s): NPAC

Biology:

taxonomy

Corbett, B. 1966. Expert tapes whale talk. San Diego
Evening Tribune, 26 Sept. 1966.

Geographical area(s):

Ecology:

sounds

Cornwall, I. 1928. Collecting at the Cachalot whaling
station. Can. Field-Nat. 42(1): 9-12.

Geographical area(s): NPAC

Commercial Whaling:

historic commercial whaling

Cousteau, J., & P. Dirole. 1972. The whale. Garden City, NY:
Doubleday.

Geographical area(s): NPAC, MEXI, CA, CANA

Ecology:

behavior, feeding, sounds

Abundance & Distribution:

migration

Noise:

surface vessels

Commercial Whaling:

historic commercial whaling

Biology:

reproduction, pathology

Cowles, C. J. 1981a. Biological assessment for endangered
whales of the arctic region with respect to proposed offshore
oil and gas development. Prepared in accordance with section
7(c), Endangered Species Act of 1973, as amended. BLM, AK
OCS Office.

Geographical area(s): ARCT, BEAU, CHUK, BERS

Abundance & Distribution:

migration

Ecology:
 feeding, behavior
 Biology:
 physiology
 Effects of Petroleum on Cetaceans:
 external contact, distribution
 Noise:
 seismic, surface vessels

Cowles, C. J. 1981b. Marine mammals, endangered species, and rare plants potentially affected by proposed federal lease sales in the northern Bering Sea and Norton Sound vicinity. Tech. Paper no. 5. BLM, AK OCS Office.

Geographical area(s): BERS
 Ecology:
 feeding
 Abundance & Distribution:
 distribution, abundance, review,
 migration

- * Cowles, C. J., D. J. Hansen, & J. D. Hubbard. 1981. Types of potential effects of offshore oil and gas development on marine mammals and endangered species of the northern Bering, Chukchi, and Beaufort Seas. Tech. Paper no. 9. BLM, AK OCS Office, BLM-YK-ES-82-011-1792.

Geographical area(s): BEAU, BERS, CHUK
 Effects of Petroleum on Cetaceans:
 external contact, ingestion, avoidance,
 detection, inhalation
 Long Term Effects:
 disturbance, prey reduction
 Noise:
 dredging, aircraft, helicopter,
 surface vessels, seismic, drilling
 Ecology:
 behavior
 Effects of Petroleum on Prey

Cummings, W. C. 1981. Acoustical criteria of harmful underwater noise, p.22. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): N/S
 Noise:
 disturbance

Cummings, W. C., P. O. Thompson, & R. Cook. 1967. Sound reproduction of migrating gray whales, '*Eschrichtius gibbosus*' Erxleben. J. Acoust. Soc. Am. 42:1211(a).

Geographical area(s): NPAC, CA

Ecology:

sounds, behavior

Cummings, W. C., P. O. Thompson, & R. Cook. 1968. Underwater sounds of migrating gray whales, '*Eschrichtius glaucus*' (Cope) J. Acoust. Soc. Am. 44:1278-1281.

Geographical area(s): NPAC, CA

Ecology:

sounds

Cummings, W. C., D. V. Holliday, & B. J. Graham. n.d. Measurements and localization of underwater sounds from Prudhoe Region, Alaska, March 1981. Tracor Doc. no. T-82-SD-001. A report to OCS Environmental Assessment Program, Arctic Project Office & the AK Eskimo Whaling Commission. Tracor, Inc.

Geographical area(s): BEAU

Noise:

ambient, seismic

Cummings, W. C., R. B. Patten, & C. L. Gray. Aerial survey of migrating gray whales. San Diego, CA: San Diego Natural History Museum.

Geographical area(s): NPAC, CA

Abundance & Distribution:

distribution, migration

Ecology:

behavior

Long Term Effects:

changes in migration

Cunningham, W., & S. Stanford. 1979. Observations of migrating gray whales, '*Eschrichtius robustus*', at Cape St. Elias, AK. Anchorage: AK Dept. Fish Game.

Geographical area(s): NPAC, GOAK

Abundance & Distribution:

migration

Ecology:

behavior

Curran, M. P., & W. M. Asher. 1974. Investigation of blubber thickness in a gray whale using ultrasonography. Mar. Fish. Rev. 36(4): 15-20.

Geographical area(s): N/S

Biology:

physiology, techniques

Dahlheim, M. E. 1983a. Acoustical studies on the gray whale, 'Eschrichtius robustus', in Laguna San Ignacio, Baja California Sur, Mexico. Final rept. to La Secretaria de Pesca, Mexico. Unpubl.

Geographical area(s): NPAC, MEXI

Ecology:

sounds

Dahlheim, M. E. 1983b. Research of gray whales, 'Eschrichtius robustus', to nonbiological noise. J. Acoust. Soc. Am. (suppl. 1) 74.

Geographical area(s): NPAC, MEXI

Ecology:

sounds, behavior, techniques

Noise:

ambient

Dahlheim, M. E., & H. D. Fisher. 1983. Sound production by the gray whale, 'Eschrichtius robustus', and ambient noise levels in Laguna San Ignacio, Baja California Sur, Mexico, p.20. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): NPAC, MEXI

Ecology:

sounds

Noise:

ambient, surface vessels

Dahlheim, M. E., H. D. Fisher, & J. D. Schempp. 1984. Sound production by the gray whale and ambient noise levels in Laguna San Ignacio, Baja California Sur, Mexico, pp.511-541. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, MEXI

Ecology:

sounds

Noise:

ambient, surface vessels

- * Darling, J. 1973. Bibliography and literature review of the gray whale. Unpubl. rept. for National and Historic Parks Branch, Dept. of Indian Affairs and Northern Affairs, Canada, Contract no. WR-161-72.

Geographical area(s): BERS, BEAU, CHUK, NPAC, CA, N/S

Ecology:

behavior, life history, habitat,
sounds

Biology:

pathology, physiology, reproduction,
morphology, taxonomy, growth

Noise:

dredging, surface vessels

Long Term Effects:

abandonment of habitat, changes in migration

Subsistence Whaling:

subsistence whaling - historic

Population Dynamics:

mortality, review

Abundance & Distribution:

abundance, distribution

- Darling, J. 1977. The Vancouver Island gray whales. Waters, J. Vancouver Public Aquarium 2:5-19.

Geographical area(s): NPAC, CANA

Biology

- Darling, J. 1978a. Abundance and behavior of gray whales which spend the summer off the west coast of Vancouver Island. Int. Whaling Comm. Annual Meeting (SC/30/Doc 37).

Geographical area(s): NPAC, CANA

Abundance & Distribution:

abundance

Ecology:

behavior

- Darling, J. 1978b. Aspects of the behavior and ecology of the Vancouver Island gray whales, 'Eschrichtius glaucus', Cope. M.S. thesis, Dept. Biology, Univ. of Victoria, Victoria, British Columbia.

Geographical area(s): NPAC, CANA

Ecology:

behavior, habitat, life history,
strandings, feeding

Abundance & Distribution:

distribution, abundance

Darling, J. 1979. Summer abundance and distribution of gray whales along the Washington and B. C. Coast. Progress rept. (Available from National Marine Mammal Lab., Seattle, WA.)

Geographical area(s): NPAC, CANA

Abundance & Distribution:

abundance, distribution

Darling, J. D. 1984. Gray whales off Vancouver Island, British Columbia, pp.267-287. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, CANA

Biology:

individual identification

Abundance & Distribution:

migration

Ecology:

behavior, feeding

Daugherty, A. E. 1966. Marine mammals of California. Sacramento, CA: CA Dept. Fish & Game.

Geographical area(s): NPAC, CA

Biology:

individual identification

Davis, R. A., & D. H. Thomson. 1984. Marine mammals, pp.47-79. In: J. C. Truett, ed., Proceedings of a synthesis meeting: The Barrow Arch environment and possible consequences of planned offshore oil and gas development. Anchorage, AK: NOAA, OAD, OCS Environmental Assessment Program.

Geographical area(s): CHUK

Ecology:

feeding

Abundance & Distribution:

abundance, distribution, migration

Noise:

seismic, surface vessels

Effects of Petroleum on Cetaceans:

external contact, ingestion

Deinse, A. E., & G. C. A. Junge. 1937. Recent and older finds of the California gray whale in the Atlantic. Temminckia 2: 161-188.

Geographical area(s): ATLA

Biology:

taxonomy

Deis, J., R. Pierson, & F. Kurz. 1983. Bering Sea summary report: Outer Continental Shelf oil and gas activities in the Bering Sea and their onshore impacts. Report No. NP-4900949 OCS. Reston, VA: Office of Offshore Information Services (12203 Sunrise Valley Dr., Reston, VA 22091).

Geographical area(s): BERS

Noise:

seismic

Dohl, T. P., & R. Guess. 1979. Evidence for increasing offshore migration of the California gray whale, '*Eschrichtius robustus*', in southern California 1975-1978, p.13. In: Abstracts, Third Biennial Conference of the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, CA

Abundance & Distribution:

migration

Long Term Effects:

changes in migration

Dohl, T. P., K. S. Norris, R. C. Guess, J. D. Bryant, & M. W. Honig. 1980. Cetacea of the Southern California Bight, pt. 2. In: Vol. 3 of Investigators' reports, summary of marine mammal and seabird surveys of the Southern California Bight area, 1975-1978. NTIS Rept. PB-81-248-189 (code A-A).

Geographical area(s):

Dohl, T. P., M. L. Duman, & R. C. Helm. 1981. Distribution and movement of migratory and resident gray whales along the California coastline, p.25. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14 - 18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, CA

Abundance & Distribution:

abundance, distribution, migration

Doroshenko, N. V. 1981. Concise results of cetacean research during the cruise of A/V Razyashchy in the Bering, Chukchi, and East Siberian Seas, pp.13-16. In: A collection of research works on marine mammals of the northern Pacific Ocean in 1980-81. Proj. 02.06-61. Moscow: VNIRO.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

abundance, distribution

Dubielzig, R. R., & G. D. Aguirre. 1979b. Tissues (structure/function): Visual apparatus of bowhead and gray whales, pp.395-399. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S

Biology:

histology, physiology

Dudley, P. 1725. An essay upon the natural history of whales. Philos. Trans. R. Soc. London 33: 256-269.

Geographical area(s): ATLA

Biology:

taxonomy

Duffield, D. A. 1974. Fluorescent karyotype of the California gray whale. Mar. Fish. Rev. 36(4): 25-28.

Geographical area(s): N/S

Biology:

physiology, techniques, morphology

Durham, F. E. 1973a. An historical perspective on Eskimo whaling and the bowhead controversy. Extracts from Ancient and current methods of taking the bowhead whale. Anchorage, AK: Univ. AK, Sea Grant Program.

Geographical area(s): N/S

Subsistence Whaling:

subsistence whaling - historic, management

Durham, F. E. 1979c. An historical perspective on Eskimo whaling and the bowhead controversy. Orca 1(1): 5-6.

Geographical area(s): ARCT, BEAU, CHUK, N/S

Subsistence Whaling:

subsistence whaling - historic, whaling (recent), management

Eberhardt, R. L., & W. E. Evans. 1962. Sound activity of the California gray whale, '*Eschrichtius glaucus*'. J. Audio Eng. Soc. 10:324-328.

Geographical area(s): NPAC

Ecology:

sounds

Eberhardt, L. L., D. G. Chapman, & J. R. Gilbert. 1979. A review of marine mammal census methods. Wildl. Monogr. 63:1-43.

Geographical area(s): N/S

Abundance & Distribution:

abundance, techniques

Eberhart, R. L. 1966. The population of gray whales, '*Eschrichtius gibbosus*', on the southern coast of peninsula, Baja California, Mexico. Bull. Southern CA Acad. Sci. 65(4): 202-204.

Geographical area(s): NPAC, MEXI

Biology

Population Dynamics

Eberhart, R. L., & K. S. Norris. 1964. Observations of newborn Pacific gray whales on Mexican calving grounds. J. Mammal. 45:88-95.

Geographical area(s): NPAC, MEXI

Biology:

reproduction

Population Dynamics:

mortality

Ellerman, J. R., & T. C. S. Morrison-Scott. 1951. Checklist of paleoarctic and Indian mammals, 1758 to 1946. Br. Mus. (Nat. Hist.)

Geographical area(s): N/S

Biology:

taxonomy

Endangered Species Productions. 1974. The whalebook: A conservation manual, teaching tool, source book. Boston, MA: Endangered Species Productions.

Geographical area(s): N/S

Biology

Subsistence Whaling:

conservation, whaling (recent)

Environmental Law Institute. 1977. The evolution of national wildlife law. Prepared for the Council of Environmental Quality. Washington, D.C.: GPO

Geographical area(s): N/S

Subsistence Whaling:

conservation, management

Erxleben, J. C. P. 1777. *Systema regina animalis...* Classis I. Mammalia. Wegandianianis, Lipsiae.

Geographical area(s): ATLA

Biology:

taxonomy

Evans, W. E. 1974. Telemetry of temperature and depth data from a free ranging yearling California gray whale, '*Eschrichtius robustus*'. Mar. Fish. Rev. 36(4): 52-58.

Geographical area(s): NPAC, CA, N/S

Ecology:

behavior, techniques, habitat

Everitt, R. D., C. H. Fiscus, & R. L. DeLong. 1979. Marine mammals of northern Puget Sound and the Strait of Juan De Fuca: A report on investigations November 1, 1977 - October 31, 1978. NOAA Tech. Mem. ERL MESA-41. NOAA Environmental Research Lab.

Geographical area(s): NPAC, WA

Ecology:

strandings

Abundance & Distribution:

abundance, distribution, migration

Biology:

morphology

Everitt, R. D., R. J. Beach, A. C. Geiger, S. J. Jeffries, & S. Treacy. 1980. Marine mammals - fisheries interactions on the Columbia River and adjacent waters, 1980. Annual rept., 1 March 1980 to 31 October 1980 submitted to NMFS, National Marine Mammal Lab., Seattle, WA and Pacific Northwest River Basin Commission, Columbia River Estuary Data Development Program. WA State Dept. Game.

Geographical area(s): NPAC, WA, OR

Ecology:

feeding, strandings

Subsistence Whaling:

management

Fay, F. H. 1963. Unusual behavior of gray whales in summer. Psychol. Forsch. 27:175-176.

Geographical area(s): BERS

Ecology:

behavior

Abundance & Distribution:

distribution

Fay, F. H., L. M. Shults, & R. A. Dieterich. 1979. A field manual for procedures of postmortem examination of Alaskan marine mammals. Fairbanks, AK: Univ. AK, Inst. Mar. Sci. & Inst. Arctic Biology.

Geographical area(s): N/S

Ecology:

strandings

Biology:

pathology, techniques

Fedoseev, G. A. 1966. Aeriovizual' nye nablyudeniya za morskimi mlekopitayushchimi v Beringovom i Chukotskom moryakh [Aerial observations on marine mammals in the Bering and Chukchi Seas]. Izv. Tikhookean. Nauchno-issled. Inst. Rybn. Khoz. Okeanogr. (TINRO) 58:173-177. (Transl. by Bureau Commercial Fish., Seattle, WA, 1966, pp.98-102 in K. I. Panin, ed., Soviet research on marine mammals of the Far East).

Geographical area(s): BERS, CHUK

Abundance & Distribution:

distribution

Ecology:

feeding

Fiscus, C., & H. Braham. 1980. Resource inventory, Northern Aleutian Shelf, (tentative OCS Lease Sale no. 75): Marine mammals/endangered species. Unpubl. ms. for NMFS, AK Regional Office, Juneau, AK.

Geographical area(s): BERS
 Abundance & Distribution:
 abundance, distribution, migration
 Noise:
 surface vessels
 Effects of Petroleum on Cetaceans:
 external contact

Fiscus, C. H., & K. Niggol. 1965. Observations of cetaceans off California, Oregon, and Washington. USFWS Spec. Sci. Rept. Fish. no. 498.

Geographical area(s): NPAC, CA, OR, WA
 Abundance & Distribution:
 abundance, distribution

Fiscus, C. H., H. W. Braham, & R. W. Mercer. 1976. Seasonal distribution and relative abundance of marine mammals in the Gulf of Alaska, pp.19-264. Submitted as part of final rept. for BLM, OCS Environmental Assessment Program, Contract no. R7120806.

Geographical area(s): GOAK
 Abundance & Distribution:
 abundance, distribution

Fish, J. F., J. L. Sumich, & G. L. Lingle. 1974. Sounds produced by the gray whale, 'Eschrichtius robustus'. Mar. Fish. Rev. 36(4): 38-45.

Geographical area(s): N/S
 Ecology:
 sounds

Flaherty, C. V. 1983. Observations of gray whales in Washington waters. Cetus 5(3): 16-18.

Geographical area(s): NPAC, WA
 Abundance & Distribution:
 distribution

Fleischer, L. A. 1979. Preliminary report on the California gray whale survey in Scammon's Lagoon, Baja California, Mexico. Seattle, WA: Univ. WA, College of Fisheries.

Geographical area(s):

Fleischer, L. A. 1981. Aerial surveys of California gray whales in Laguna Ojo de Liebre, Baja California, Mexico, 1980. Int. Whaling Comm., Annual Meeting (SC/33/PS18).

Geographical area(s): MEXI
Abundance & Distribution:
abundance, distribution

Fleischer, L. A., & T. J. Carlson. 1980. A feasibility study of sonar enumeration of gray whales in Ojo de Liebre Lagoon, Baja California, Mexico. SC/32/PS 14.

Geographical area(s): NPAC, MEXI
Population Dynamics:
techniques
Abundance & Distribution:
techniques

Fleischer, L. A., S. Manzanilla, & R. Fuentes. 1983. Estudios de mortalidad incidental de ballena gris en Baja California Sur, Mexico. Unpubl. rept. Secretaria de PESCA, La Paz, Baja California Sur, Mexico.

Geographical area(s): NPAC, MEXI
Biology
Population Dynamics:
mortality

Flower, W. H. 1872. On a subfossil whale, 'Eschrichtius robustus', discovered in Cornwall. Ann. Mag. Nat. Hist. [4]9: 440-442.

Geographical area(s): NATL
Biology:
taxonomy, morphology

Follmann, E. H. 1979. Biotelemetry, pp.127-133. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage AK.

Geographical area(s): NPAC, MEXI
Ecology:
techniques
Abundance & Distribution:
techniques

Follmann, E. H., & G. O. Miller. 1981. Design and testing of a new radio-tag for instrumenting large whales. Final rept. prepared for BLM, AK OCS Office, Anchorage, AK. Fairbanks, AK: Univ. AK, Inst. Arctic Biology.

Geographical area(s): N/S

Ecology:

behavior

Biology:

techniques

Food & Agriculture Organization of the United Nations. 1978. Mammals in the seas. Report of the FAO Advisory Committee on Marine Resources Research, vol. 1. FAO Fish. Ser. no. 5. FAO Working Party on Marine Mammals.

Geographical area(s): N/S, ARCT, BERS, NPAC, NATL

Subsistence Whaling:

management, whaling (recent)

Abundance & Distribution:

abundance, distribution

Ecology:

habitat

Commercial Whaling:

historic commercial whaling

Forsell, D. J., & P. J. Gould. 1981. Distribution and abundance of marine birds and mammals wintering in the Kodiak area of Alaska. FWS/OBS-81/13. Washington, D. C.: USFWS, Office of Biological Services.

Geographical area(s): NPAC, GOAK

Abundance & Distribution:

distribution

Fowler, C. W. 1984. Density dependence in cetacean populations. Rept. Int. Whaling Comm. Special Issue no. 6: 373-379.

Geographical area(s): N/S

Abundance & Distribution:

abundance

Biology:

reproduction

Population Dynamics:

recruitment

Fraser, F. C. 1937. Early Japanese whaling. Proc. Linn. Soc. London 150:19-20.

Geographical area(s): NPAC

Commercial Whaling:
historic commercial whaling

Fraser, F. C. 1970. An early 17th century record of the California gray whale in Icelandic waters. Invest. Cetacea 2:13-20.

Geographical area(s): NATL
Biology:
taxonomy, morphology
Abundance & Distribution:
distribution, review

Frost, K. J., & L. F. Lowry. 1981c. Foods and trophic relationships of cetaceans in the Bering Sea, pp.825-836. In: D. W. Hood & J. A. Calder, eds., The eastern Bering Sea Shelf: Oceanography and resources, vol. 2. NOAA, Office of Marine Pollution Assessment. (Distributed by Univ. WA Press, Seattle.)

Geographical area(s): BERS
Ecology:
feeding

Frost, K. J., L. F. Lowry, & J. J. Burns. 1982. Distribution of marine mammals in the coastal zone of the Bering Sea during summer and autumn. Environmental assessment of the Alaskan continental shelf: Final repts. of principal investigators, vol. 20. Juneau, AK: NOAA, Naval Ocean Service.

Geographical area(s): BERS
Ecology:
feeding
Abundance & Distribution:
distribution, migration

Frost, K. J., L. F. Lowry, & J. J. Burns. 1983. Distribution of marine mammals in the coastal zone of the eastern Chukchi Sea during summer and autumn. Final rept. submitted to OCS Environmental Assessment Program for reporting period 1 January 1981 - 31 December 1982. Research unit 613.

Geographical area(s): CHUK
Abundance & Distribution:
distribution, abundance
Ecology:
feeding

Furuta, M. 1984. Note on a gray whale found in the Ise Bay on the Pacific coast of Japan. Sci. Rep. Whales Res. Inst. 34:195-197.

Geographical area(s): NPAC, JAPA

Abundance & Distribution:

distribution

- * Gales, R. S. 1982. Research report, p.79. In: Effects of noise of offshore oil and gas operations on marine mammals: An introductory assessment, vol. 1. BLM Tech. Rept. no. 844.

Geographical area(s): N/S, NPAC, BEAU, GOAK

Noise:

drilling, surface vessels, helicopter,
seismic, disturbance

Ecology:

sounds

Gambell, R. 1976. World whale stocks. Mammal Rev. 6(1):41-53.

Geographical area(s): N/S

Subsistence Whaling:

management

Population Dynamics:

stock assessment, techniques, life history

Biology:

life history

Commercial Whaling:

historic commercial whaling

- * Gard, R. 1974. Aerial census of gray whales in Baja, California lagoons, 1970 and 1973, with notes on behavior, mortality and conservation. CA Fish & Game 60(3): 132-134.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance, distribution

Ecology:

behavior

Long Term Effects:

abandonment of habitat, disturbance

Noise:

surface vessels

Population Dynamics:

mortality, management

Gard, R. 1976. Aerial census, behavior and population dynamics study of gray whales in Mexico during the 1974-75 calving and mating season. U. S. Marine Mammal Commission no. MM5AC006.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance, distribution

Ecology:

behavior

Population Dynamics:

recruitment

Gardner, E. S. 1960. Hunting the desert whale: Personal adventures in Baja, California. NY: William Morrow.

Geographical area(s): NPAC

Gaskin, D. E. 1976. The evolution, zoogeography and ecology of cetacea. Oceanogr. Mar. Biol. Annu. Rev. 14:247-346.

Geographical area(s): N/S

Ecology:

evolution, feeding, habitat,
behavior

Abundance & Distribution:

distribution, migration, abundance

Biology:

reproduction, taxonomy, morphology

Population Dynamics:

management

Gaskin, D. E. 1982. The ecology of whales and dolphins. London: Heinemann Educational Books Ltd.

Geographical area(s): N/S

Population Dynamics:

techniques, management

Ecology:

energetics, evolution, habitat,
behavior, feeding

Abundance & Distribution:

distribution, migration, abundance

Biology:

morphology

Subsistence Whaling:

management

Contaminants:

mercury, trace metals

Geiger, A., S. Jeffries, & R. Beach. 1981. Strandings of immature male gray whales in Washington, p.41. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, WA

Ecology:
 strandings
 Population Dynamics:
 mortality

Geraci, J. R. 1980. Studies of the effects of oil on marine mammals, p.72. In: J. L. Imm, ed., Interagency meeting to review, coordinate, and plan bowhead whale research, other cetacean research, and related research bearing upon the conservation and protection of endangered marine species in Alaska and elsewhere. Presentation, OCS Endangered Species Research Program Review, 12-14 November 1980, Seattle, WA. BLM, AK OCS Office, Endangered Whale Research Program.

Geographical area(s):

- * Geraci, J. R., & D. J. St. Aubin. 1980. Offshore petroleum resource development and marine mammals: A review and research recommendations. Mar. Fish. Rev. 42(11): 1-12.

Geographical area(s): N/S

Noise

Effects of Petroleum on Cetaceans:

 avoidance, detection, external contact,
 ingestion

Geraci, J. R., & D. J. St. Aubin. 1982a. Petroleum residues in marine mammal tissue, pp.211-223. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S

Effects of Petroleum on Cetaceans:

 ingestion

Ecology:

 strandings

Geraci, J. R., & D. J. St. Aubin. 1982b. Can bottlenose dolphins, '*Tursiops truncatus*', detect oil?, pp.16-36. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S

Ecology:

 behavior

Effects of Petroleum on Cetaceans:

 detection

Geraci, J. R., & D. J. St. Aubin. 1982c. Oil avoidance by captive bottlenose dolphins, pp.38-46. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D. C.

Geographical area(s): N/S
 Effects of Petroleum on Cetaceans:
 avoidance, detection

Geraci, J. R., & D. J. St. Aubin. 1982d. A retrospective analysis of three 'Tursiops' exposed to oil on the surface of the water, pp.62-77. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C. (From a report prepared by M. C. Caldwell & D. K. Caldwell.)

Geographical area(s): N/S
 Effects of Petroleum on Cetaceans:
 external contact
 Biology:
 pathology

Geraci, J. R., & D. J. St. Aubin. 1982e. The effects of oil on cetacean skin, pp.78-181. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S
 Effects of Petroleum on Cetaceans:
 external contact
 Biology:
 techniques, histology

Geraci, J. R., & D. J. St. Aubin. 1982f. Effects of inhalation of petroleum vapors, pp.182-196. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S
 Effects of Petroleum on Cetaceans:
 inhalation

Geraci, J. R., & D. J. St. Aubin. 1982g. Oil ingestion and bioaccumulation, pp.197-210. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D. C.

Geographical area(s): N/S
 Effects of Petroleum on Cetaceans:
 ingestion

* Geraci, J. R., & D. J. St. Aubin. 1982h. Study of the effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S
 Ecology:
 behavior
 Biology:

pathology, physiology
 Effects of Petroleum on Cetaceans:
 avoidance, detection, external contact,
 ingestion

Geraci, J. R., & D. J. St. Aubin. 1982i. A study of the effects of oil ingestion on a bottlenose dolphin, 'Tursiops truncatus', pp.224-236. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C. (From a report prepared by M. C. Caldwell & D. K. Caldwell.)

Geographical area(s): N/S
 Effects of Petroleum on Cetaceans:
 ingestion

- * Geraci, J. R., & D. J. St. Aubin. 1982j. A study to determine if gray whales detect oil, pp.47-61. In: Study of the effects of oil on cetaceans. Final rept. for BLM, Washington, D.C. (From a report being prepared by Hubbs-Sea World Research Inst., W. Evans, Director.)

Geographical area(s): NPAC, CA
 Effects of Petroleum on Cetaceans:
 detection, avoidance, external contact
 Ecology:
 behavior

Geraci, J. R., & D. J. St. Aubin. 1982k. Baleen fouling, pp.237-272. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D. C.

Geographical area(s): N/S
 Effects of Petroleum on Cetaceans:
 external contact, ingestion
 Biology:
 techniques, physiology

Geraci, J. R. and D. J. St. Aubin. 1985. Expanded studies of the effects of oil on cetaceans. Final rept., Part 1 for MMS, Washington, D.C. Contract #14-12-0001-29169.

Geographical area(s): N/S
 Ecology:
 behavior
 Biology:
 pathology, physiology
 Effects of Petroleum on Cetaceans:
 avoidance, detection, external contact,
 ingestion

Geraci, J. R., D. J. St. Aubin, & L. J. Bruce. 1981. Effects of oil on skin of whales and whale lovers, p.43. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
external contact

Geraci, J. R., D. J. St. Aubin, & B. D. Hicks. 1983. What does cetacean skin do for a living?, p.35. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S
Biology:
physiology, morphology

- * Gill, R. E., Jr., & J. D. Hall. 1983. Use of nearshore and estuarine areas of the southeastern Bering Sea by gray whales, '*Eschrichtius robustus*'. Arctic 36(3): 275-281.

Geographical area(s): BERS
Ecology:
behavior, feeding
Abundance & Distribution:
migration, distribution

Gilmartin, W. G., R. W. Pierce, & G. A. Antonelis, Jr. 1974. Some physiological parameters of the blood of the California gray whale. Mar. Fish. Rev. 36(4): 28-31.

Geographical area(s): N/S
Biology:
physiology

Gilmore, R. M. 1955. The return of the gray whale. Sci. Am. 192(1): 62-67.

Geographical area(s): NPAC
Ecology:
habitat
Abundance & Distribution:
abundance, review
Biology:
reproduction

Gilmore, R. M. 1956. The California gray whale. Zoonoos, Zool. Mag. 29(2): 4-6.

Geographical area(s): NPAC
 Ecology:
 behavior
 Biology:
 reproduction, growth
 Commercial Whaling:
 historic commercial whaling
 Population Dynamics

Gilmore, R. M. 1958. The story of the gray whale. San Diego:
 Privately published.

Geographical area(s): NPAC
 Biology:
 reproduction
 Abundance & Distribution:
 migration

Gilmore, R. M. 1959. Whales without flukes. Pac. Nat.
 1(9): 3-9.

Geographical area(s):

- * Gilmore, R. M. 1960a. A census of the California gray whale.
 USFWS Spec. Sci. Rept. Fish. no.342.

Geographical area(s): NPAC, BERS
 Ecology:
 behavior
 Abundance & Distribution:
 abundance, distribution, migration
 Biology:
 taxonomy, reproduction
 Population Dynamics:
 mortality

Gilmore, R. M. 1960b. Census and migration of the California
 gray whale. Nor. Hvalfangst Tid. 49: 409-431.

Geographical area(s): NPAC, BERS, CHUK
 Abundance & Distribution:
 abundance, migration

Gilmore, R. M. 1961a. Gray whales: Untouchables with
 stature. San Diego Magazine (January).

Geographical area(s): NPAC

Gilmore, R. M. 1961b. Whales without flukes or flippers.
J. Mammal. 42:419-420.

Geographical area(s):

Gilmore, R. M. 1969. The gray whale. Oceans Magazine
(January), 9-20.

Geographical area(s): NPAC, BERS

Ecology:

behavior, life history

Abundance & Distribution:

migration

Subsistence Whaling:

whaling (recent)

Biology:

physiology

Gilmore, R. M. 1976a. Gray whales without flukes. Sightings
American Cetacean Society of San Diego Newsletter,
November 1976.

Geographical area(s):

Gilmore, R. M. 1976b. The friendly whales of Laquna San
Ignacio. Terra 15:24-28.

Geographical area(s): NPAC, MEXI

Ecology:

behavior

Gilmore, R. M. 1978a. Some news and views of the gray whale,
1977: Part 1. Migration into and out of the Bering Sea.
Whalewatcher 12(1): 4-8.

Geographical area(s): BERS, GOAK, NPAC

Abundance & Distribution:

migration

Gilmore, R. M. 1978b. Some news and views of the gray whale,
1977: Part 2. Migration south and north along and between the
islands of southern California. Whalewatcher 12(2): 9-13.

Geographical area(s): NPAC, CA

Abundance & Distribution:

migration

Gilmore, R. M., & G. Irving. 1954. Calving of the California grays. *Pac. Discovery* 7(3): 13-15.

Geographical area(s): NPAC, MEXI

Biology:

reproduction

Abundance & Distribution:

abundance, distribution

Gilmore, R. M., & J. G. Mills. 1962. Counting gray whales in the Gulf of California. *Pac. Discovery* 15(2): 26-27.

Geographical area(s): NPAC

Ecology:

habitat

Abundance & Distribution:

abundance

Gilmore, R. M., R. L. Brownell, J. G. Mills, & A. Harrison. 1967. Gray whales near Yavaros, Southern Sonora, Golfo de California, Mexico. *Trans. San Diego Soc. Nat. Hist.* 14: 198-203.

Geographical area(s): NPAC, MEXI

Ecology:

behavior, habitat

Population Dynamics:

population structure

Biology:

reproduction

Goebel, C. A., & M. E. Dahlheim. 1979. A white California gray whale in the Bering Sea. *Murrelet* 60(3): 107.

Geographical area(s):

Gold, J. P. 1977. Useful references on whales, dolphins, porpoises and whaling. Washington, D. C.: Smithsonian Inst.

Geographical area(s): N/S

Biology

Subsistence Whaling

Population Dynamics

Commercial Whaling:

historic commercial whaling

Gold, J. P. 1985. Sources of information on whales, dolphins, porpoises, and whaling. Washington, D.C.: Smithsonian Inst., Nat. Museum of Natural History.

Geographical area(s): N/S
 Subsistence Whaling
 Population Dynamics

Biology
 Commercial Whaling:
 historic commercial whaling

Goodwin, H. A., & C. W. Holloway. 1972. Mammalia. Vol. 1 of Red Data Book. Morges, Switzerland: International Union for Conservation of Nature and Natural Resources.

Geographical area(s):

Gray, J. E. 1864. Notes on the whale-bone whales: With a synopsis of the species. Ann. Mag. Nat. Hist. Ser. 3, 14: 345-353.

Geographical area(s): ATLA
 Biology:
 taxonomy

Gray, J. E. 1865. Notice of a new whalebone whale from the coast of Devonshire proposed to be called 'Eschrichtius robustus'. Proc. Zool. Soc. London. and Ann. Mag. Nat. Hist. 3, 15.

Geographical area(s): ATLA
 Biology:
 taxonomy

Gray, J. E. 1866. Catalogue of seals and whales in the British Museum. 2nd ed. London: British Museum.

Geographical area(s): ATLA
 Biology:
 taxonomy, morphology

Greenpeace. n.d. Information sheet.

Geographical area(s): N/S
 Subsistence Whaling:
 conservation

Grigg, R. W., & T. Dana. 1969. Accidental encounter with a whale. J. Mammal. 50:818-819.

Geographical area(s): NPAC, CA
 Ecology:
 behavior

Gusey, W. F. 1979a . Marine mammals of the Norton Sound region, pp.3-1 - 3-25. In: W. F. Gusey, ed., The fish and wildlife resources of the Norton Sound region. Houston, TX: Shell Oil Co., Environment Affairs.

Geographical area(s): BERS
 Abundance & Distribution:
 abundance, distribution, migration
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)

Gusey, W. F. 1979b . Marine mammals of the southern Bering Sea region, pp.3-1 - 3-72. In: W. F. Gusey, ed., The fish and wildlife resources of the southern Bering Sea regions. Houston, TX: Shell Oil Co. Environmental Affairs.

Geographical area(s): BERS
 Abundance & Distribution:
 abundance, distribution, migration
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)

Gusey, W. F. 1979c. Family Eschrichtidae, 'Eschrichtius gibbons', gray whale, pp.99, 102-103. In: W. F. Gusey, ed., The fish and wildlife resources of the western Gulf of Alaska. Houston, TX: Shell Oil Co., Environmental Affairs.

Geographical area(s): GOAK
 Abundance & Distribution:
 abundance, distribution, migration

Haenel, N., & C. Flaherty. 1983. A conversation with Victor Scheffer. Cetus 5(1): 1-3.

Geographical area(s): N/S
 Subsistence Whaling:
 conservation

Hall, J. D. 1979. A survey of cetaceans of Prince William Sound and adjacent vicinity - their numbers and seasonal movements. Final rept. to NOAA, OCS Environmental Assessment Program, Juneau, AK, Contract no. 01-6-022-1560.

Geographical area(s): GOAK
 Abundance & Distribution:

migration, distribution

Hall, J. D., C. S. Harrison, J. Nelson, & A. Taber. 1977. The migration of California gray whales into the Bering Sea, p.8. In: Abstracts, Second Conference on the Biology of Marine Mammals, 12-15 December 1977, San Diego, CA.

Geographical area(s): BERS, GOAK, NPAC

Abundance & Distribution:

migration

Hancock, D. 1965. Killer whales kill and eat a minke whale. J. Mammal. 46:341-342.

Geographical area(s): NPAC, CANA

Population Dynamics:

mortality

Hansen, D. J. 1985. The potential effects of oil spills and other chemical pollutants on marine mammals occurring in Alaskan waters. OCS rept. MMS 85-0031, MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): BERS, CHUK, GOAK

Effects of Petroleum on Cetaceans

Harmer, S. F. 1928. The history of whaling. Proc. Linn. Soc. London 140:51-95.

Geographical area(s): NPAC

Commercial Whaling:

historic commercial whaling

Population Dynamics:

review

Harrison, C. S. 1978. The association of marine birds and feeding gray whales. Condor 81:93-95.

Geographical area(s): BERS, CHUK

Ecology:

feeding

Harrison, R. J., & J. E. King. 1965. Marine mammals. London: Hutchinson & Co., Hutchinson Univ. Library.

Geographical area(s): N/S

Biology:

physiology, taxonomy, morphology

Abundance & Distribution:

distribution

Ecology:

evolution, life history

Harvey, J. T., & B. R. Mate. 1984. Dive characteristics and movement of radio-tagged gray whales in San Ignacio Lagoon, Baja California Sur, Mexico, pp.561-575. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, MEXI

Ecology:

behavior, techniques

Hashiura, Y. 1969. Kumano Taijiura Hogeishi [A history of whaling at Taijiura, Kumano]. Tokyo: Heibonsha.

Geographical area(s): NPAC, JAPA

Subsistence Whaling:

subsistence whaling - historic

Commercial Whaling:

historic commercial whaling

Hatler, D. 1972. Gray whale, pp.174-178. In: Mammal survey Pacific Rim National Park. Ucluelet, B.C., Canada: Pacific Rim National Park.

Geographical area(s): NPAC, CANA

Ecology:

behavior

Abundance & Distribution:

distribution, migration

Hatler, D. F., & J. D. Darling. 1974. Recent observations of the gray whale in British Columbia. Can. Field-Nat. 88:449-459.

Geographical area(s): NPAC, CANA

Ecology:

behavior, feeding

Abundance & Distribution:

distribution, migration

Biology:

reproduction

Heffernan, P. 1977. A park for whales...and tourists...and oil? Environ. Pol. Law 3:17-19.

Geographical area(s): NPAC, MEXI

Population Dynamics:
management

Heizer, R. F. 1968. A bibliography of aboriginal whaling.
J. Soc. Bibliogr. Nat. Hist. 4(7): 344-362.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
subsistence whaling - historic

Henderson, D. A. 1970. Journal aboard the Bark Ocean Bird on
a whaling voyage, winter of 1858-59: Chas. M. Scammon's
voyage edited and annotated. Los Angeles, CA: Dawson's Book
Shop.

Geographical area(s): NPAC
Commercial Whaling:
historic commercial whaling

Henderson, D. A. 1972. Men and whales at Scammon's Lagoon.
Los Angeles, CA: Dawson's Book Shop.

Geographical area(s): NPAC
Commercial Whaling:
historic commercial whaling

Henderson, D. A. 1975. Whalers on the coasts of Baja
California: Opening the peninsula to the outside world.
Geosci. Man. 12:49-56.

Geographical area(s): NPAC
Commercial Whaling:
historic commercial whaling

Henderson, D. A. 1984. Nineteenth Century gray whaling:
Grounds, catches, and kills, practices and depletion of the
whale population, pp.159-186. In: M. L. Jones, S. L. Swartz,
& S. Leatherwood, eds., The gray whale, 'Eschrichtius
robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, MEXI, CA, BERS, OKHO
Commercial Whaling:
commercial whaling (historic)
Population Dynamics:
review

Henderson, J. R. 1981. Cetacean strandings in San Diego County, 1979-1980, p.53. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, CA

Ecology:

strandings

Herman, L. M., C. S. Baker, P. H. Forestell, & R. C. Antinaja. 1980. Right whale, '*Balaena glacialis*', sightings near Hawaii: A clue to the wintering grounds. Mar. Ecol. Prog. Ser. 2:271-275.

Geographical area(s): NPAC

Abundance & Distribution:

distribution, abundance, review

Biology:

reproduction

Long Term Effects:

abandonment of habitat

Hershkovitz, P. 1966. Catalog of living whales. Bull. U.S. Nat. Mus. no. 246.

Geographical area(s): N/S

Biology:

taxonomy

Herwig, R. P., J. T. Staley, M. K. Nerini, & H. W. Braham. 1984. Baleen whales: Preliminary evidence for forestomach microbial fermentation. Appl. Environ. Microbiol. 47(2): 421-423.

Geographical area(s): N/S, ARCT, NPAC

Ecology:

feeding

Biology:

physiology

Herzing, D. L., & B. R. Mate. 1981. California gray whale migration along the Oregon coast, p.54. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, OR

Abundance & Distribution:

migration, distribution

Herzing, D. L., & B. R. Mate. 1984. Gray whale migrations along the Oregon Coast, 1978-1981, pp.289-307. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, OR

Abundance & Distribution:

migration, abundance

Population Dynamics:

recruitment, population structure

Hessing, P. 1983. Gray whale, 'Eschrichtius robustus', migration ~~into~~ the Bering Sea, Spring, 1981. Final rept. of principal investigators, vol. 20. Contract no. NA 81RGA 00080. Juneau, AK: NOAA, Office of Marine Pollution Assessment.

Geographical area(s): BERS, GOAK

Ecology:

behavior

Abundance & Distribution:

abundance, distribution, migration

Hill, M. S. 1897. Vanquishing a whale. Northwest Magazine (May), 6.

Geographical area(s):

Hill, D. O. 1975. Vanishing giants. Audubon 77(1): 56-90.

Geographical area(s): N/S

Biology:

taxonomy

Subsistence Whaling:

conservation, whaling (recent)

Ecology:

life history, behavior

Commercial Whaling:

historic commercial whaling

- * Hill, S. H. 1978. A guide to the effects of underwater shock waves on Arctic marine mammals and fish. Pac. Mar. Sci. Rept. 78-26.

Geographical area(s): N/S, ARCT

Noise:

explosions, seismic, disturbance

Hills, S., & K. Valentine, 1982. Feeding habits, food requirements and status of Bering Sea marine mammals. Vol. 2. Annotated bibliography: 402-676. North Pacific Fisheries Management Council, Unpubl. Rept., Anchorage, AK.

Geographical area(s): BERS

Ecology:

behavior, feeding, habitat

Biology:

growth, physiology

Abundance & Distribution:

abundance, distribution

Hobbs, L. J., & M. E. Goebel. 1982. Bowhead whale radio tagging feasibility study and review of large cetacean tagging. NOAA-TM-NMFS-F/NWC-21. Seattle, WA: NOAA, NMFS.

Geographical area(s): N/S, BEAU

Ecology:

behavior, techniques

Biology:

individual identification

Holliday, D. V., W. C. Cummings, & W. T. Ellison. 1980. Underwater sound measurements from Barrow and Prudhoe Regions, Alaska, May-June, 1980. Tracor Doc. no. T-80-SD-022-U. Rept. submitted to AK Eskimo Whaling Commission. Tracor Applied Sciences.

Geographical area(s): BEAU, CHUK

Noise:

ambient, helicopter, surface vessels

Ecology:

sounds

Hosokawa, H., & T. Kamiya. 1971. Some observations on the cetacean stomachs, with special considerations of the feeding habits of whales. Sci. Rep. Whales Res. Inst. 23:91-101.

Geographical area(s): N/S

Biology:

physiology, anatomy

Ecology:

feeding

Houck, W. J. 1962. Possible mating of gray whales on the northern California coast. Murrelet 43:54.

Geographical area(s): NPAC

Ecology:

behavior

Biology:

reproduction

Howell, A. B., & L. M. Huey. 1930. Food of the gray whale and other whales. J. Mammal. 11:321-322.

Geographical area(s): NPAC

Ecology:
feeding

Hoyt, E. 1984. The whale watcher's handbook. Garden City, NY: Madison Press Book for Doubleday & Co.

Geographical area(s): N/S

Biology:
morphology, reproduction
Abundance & Distribution:
distribution
Ecology:
behavior, feeding, habitat

Hubbs, C. L. 1950. The gray whale. Western Fisheries 39(5): 15.

Geographical area(s): NPAC

Ecology:
behavior
Abundance & Distribution:
migration, abundance
Biology:
reproduction

Hubbs, C. L. 1958 [1959]. Natural history of the gray whale, pp.313-316. In: Proceedings, 15th International Congress of Zoology, 16-23 July 1958. (slightly modified from preprint, pp.1-3, distributed at Congress, as Sect. III, Paper 46.)

Geographical area(s): NPAC, MEXI, CA, ATLA

Abundance & Distribution:
migration, abundance, distribution
Ecology:
behavior, feeding
Biology:
reproduction, pathology
Noise:
helicopter

Hubbs, C. L. 1966. Comments. In: K. S. Norris, ed., Whales, dolphins, and porpoises. Berkeley & L.A.: Univ. CA Press.

Geographical area(s): NPAC, MEXI

Ecology:

sounds

- Hubbs, C. L. 1972. A book review of The Life History and Ecology of the Gray Whale, 'Eschrichtius robustus' by D. A. Rice & A. A. Wolman. Am. Sci. 60(6): 776.

Geographical area(s): N/S

Abundance & Distribution:

abundance

Subsistence Whaling:

conservation

Ecology:

life history

- Hubbs, C. L., & L. C. Hubbs. 1967. Gray whale census by airplane in Mexico. CA Fish & Game 53(1): 23-27.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance

Population Dynamics:

techniques

- Huber, H. R., D. G. Ainley, & S. H. Morrell. 1980. Sightings of cetaceans in the Gulf of the Farallones, California, 1971-1979. CA Fish & Game 68(3): 183-190.

Geographical area(s): NPAC, CA

Abundance & Distribution:

distribution

- Hudnall, Jr. 1981. Population estimates, feeding behavior and food source of gray whales, 'Eschrichtius robustus', occupying the Straits of Juan de Fuca, British Columbia, p.58. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14 - 18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, CANA

Abundance & Distribution:

abundance

Ecology:

feeding

- Hurley, D. E., & J. L. Mohr. 1957. On whale lice (Amphipoda: Cymidae) from the California gray whale, 'Eschrichtius glaucus'. J. Parasitol. 43:352-357.

Geographical area(s): CHUK, BEAU

Biology:

pathology

Ichihara, T. 1958. Gray whale observed in the Bering Sea.
Sci. Rep. Whales Res. Inst. 13:201-206.

Geographical area(s): NPAC, BERS

Abundance & Distribution:
migration, distribution

- * International Whaling Commission. 1982a. Aboriginal/
subsistence whaling (with special reference to the Alaska and
Greenland fisheries). Rept. Int. Whaling Comm. Special Issue
no. 4:1-49.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK, N/S

Abundance & Distribution:
abundance

Subsistence Whaling:

subsistence whaling - historic, whaling (recent), management,
conservation

Population Dynamics:

review, management, mortality

International Whaling Commission. 1982d. Report of the
cultural anthropology panel. Aboriginal/subsistence whaling
(with special reference to the Alaska and Greenland
fisheries). Rept. Int. Whaling Comm. Special Issue no. 4:3-5.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Committee for Whaling Statistics. 1930 et seq. International
whaling statistics (IWS). Published annually. Oslo: Committee
for Whaling Statistics.

Geographical area(s): NPAC

Commercial Whaling:

historic commercial whaling

Isakson, J., J. Storie, J. Vagners, G. Erickson, J. Kruger, &
R. Corlett. 1975. Comparison of ecological impacts of
postulated oil spills on selected Alaskan locations. Bellevue,
WA: Mathematical Sciences Northwest, Inc.

Geographical area(s): NPAC, GOAK, BERS, CHUK, BEAU

Effects of Petroleum on Prey

Ivashin, M. V., & V. I. Mineev. 1978. On the status of gray whale stocks. Rybn. Khoz (Moscow) 3:15-17.

Geographical area(s): NPAC, BERS, CHUK

Abundance & Distribution:

abundance, distribution

Subsistence Whaling:

whaling (recent), conservation

Ivashin, M. V., & V. N. Mineev. 1981. The history of gray whale harvesting off Chukotka. Rept. Int. Whaling Comm. 31: 503-505.

Geographical area(s): BERS, CHUK

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Commercial Whaling:

historic commercial whaling

Ivashin, M. V., & L. M. Votrogov. 1982. Occurrence of baleen and killer whales off Chukotka. Rept. Int. Whaling Comm. 32: 499-501.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

distribution

Japanese Fisheries Agency. 1954. Japanese whaling industry. Tokyo: Japan Whaling Assoc.

Geographical area(s): NPAC

Commercial Whaling:

historic commercial whaling

Jehl, J. R., M. H. White, & S. I. Bond. 1980. Effects of sound and shock waves on marine vertebrates: An annotated bibliography. USFWS, National Coastal Ecosystems Team & Office of Migratory Bird Management.

Geographical area(s): N/S

Noise:

explosions, seismic

Ecology:

sounds

Jewitt, J. R. 1815. Narrative of the adventures and suffering of J. R. Jewitt: Only survivor of the crew of the ship Boston, during a captivity of nearly three years among the savages of Nootka Sound: with an account of manners, mode of living etc. Middletown, CT: S. Richards.

Geographical area(s): NPAC
 Subsistence Whaling:
 subsistence whaling - historic

- * Johnson, K. R., & C. H. Nelson. 1984. Side-scan sonar assessment of gray whale feeding in the Bering Sea. Science 225:1150-1152.

Geographical area(s): BERS, CHUK
 Ecology:
 feeding, techniques

Johnson, K., & C. H. Nelson. 1983. A side-scan-sonar method for assessing the feeding ecology of gray whales in the Bering Sea, p.50. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): BERS, CHUK
 Ecology:
 feeding, habitat, techniques

Jones, M. L. 1984. Gray whale reproduction, distribution and duration of stay in Laguna San Ignacio, and inter-lagoon exchange of whales in the winter range. M. S. thesis, Moss Landing Marine Lab., Moss Landing, CA.

Geographical area(s): NPAC, MEXI
 Biology:
 reproduction
 Abundance & Distribution:
 distribution
 Ecology:
 behavior

Jones, M. L., & S. L. Swartz. 1984a. Demography and phenology of gray whales and evaluation of whale-watching activities in Laguna San Ignacio, Baja California Sur, Mexico, pp.309-374. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, MEXI
 Ecology:
 habitat, behavior, techniques
 Abundance & Distribution:
 abundance, distribution, techniques
 Noise:
 surface vessels, disturbance

Population Dynamics:
 mortality, recruitment
 Biology:
 reproduction

Jones, M. L., & S. L. Swartz. 1984b. Demography, phenology, and evaluation of the impact of human activities on gray whales, '*Eschrichtius robustus*', in Laguna San Ignacio, Baja California Sur, Mexico, between 1977 and 1982. PS. rept. Rockville, MD: NTIS.

Geographical area(s): NPAC, MEXI
 Biology:
 life history
 Noise:
 disturbance

- * Jones, M. L., S. L. Swartz, & S. Leatherwood, eds. 1984. The gray whale, '*Eschrichtius robustus*'. Orlando, FL: Academic Press.

Geographical area(s): N/S, NPAC, BERS, GOAK, CHUK, MEXI
 Ecology:
 behavior, feeding, habitat,
 life history, sounds, evolution, ecology, techniques

Abundance & Distribution:
 abundance, distribution, migration
 Noise:
 surface vessels, disturbance
 Subsistence Whaling:
 whaling (recent), subsistence whaling - historic
 Biology:
 taxonomy, growth, techniques
 Population Dynamics:
 review, techniques
 Commercial Whaling:
 historic commercial whaling

Jonsgaard, A. 1969. Age determination of marine mammals, pp.1-30. In: H. T. Anderson, ed., Biology of marine mammals. New York: Academic Press.

Geographical area(s): N/S
 Ecology:
 life history
 Biology:
 physiology, techniques

Kandoriya, J. 1760. Geishi [The treatise of the whale]. In Japanese. Kyoto: Kobunkan.

Geographical area(s): NPAC, JAPA
 Subsistence Whaling:
 subsistence whaling - historic

Kannenworff, E. 1965. Life cycle, food, and growth of the amphipod, '*Ampelisca macrocephala*' Lilljeborg, from the Oresund. *Ophelia* 2:305-318.

Geographical area(s): NPAC, BERS
 Ecology:
 life history, feeding
 Biology:
 growth

Kanwisher, J. W., & S. H. Ridgway. 1983. The physiological ecology of whales and porpoises. *Sci. Am.* 248(6): 111-122.

Geographical area(s): N/S
 Biology:
 physiology
 Ecology:
 evolution, feeding

Kasuya, T., & D. W. Rice. 1970. Notes on baleen plates and on arrangement of parasitic barnacles of gray whales. *Sci. Rep. Whales Res. Inst.* 22:39-43.

Geographical area(s): N/S, NPAC, CA
 Ecology:
 feeding
 Biology:
 pathology

Kawamura, A. 1971. Influence of chasing time to stomach contents of baleen and sperm whales. *Sci. Rep. Whales Res. Inst.* 23:27-36.

Geographical area(s): N/S
 Biology:
 physiology

Kawamura, A. 1975. Consideration of an available source of energy and its cost of locomotion in fin whales with special reference to the season migrations. *Sci. Rep. Whales Res. Inst.* 27:61-79.

Geographical area(s): N/S
 Ecology:
 feeding
 Abundance & Distribution:

migration

Biology:

physiology, reproduction

Kaza, S. 1981. Socioeconomic aspects of gray whales, pp.166-256. In: S. Kaza, ed., Background papers for workshop on International Cooperation for Conservation of Gray Whales. Oakland, CA: World Wildlife Fund-U.S., I.U.C.N. Whale Center,

Geographical area(s): NPAC

Kellogg, R. 1928. The history of whales - their adaptation to life in the water. Quart. Rev. Biol. 3:29-76, 174-208.

Geographical area(s): N/S

Biology:

physiology

Ecology:

evolution

Kellogg, R. 1929. What is known of the migrations of some of the whalebone whales. Smithson. Inst. Annu. Rept. 1928:467-494.

Geographical area(s): NPAC, BERS, CHUK, ARCT

Biology:

physiology

Abundance & Distribution:

migration

Kellogg, R. 1931. Whaling statistics for the Pacific coast of North America. J. Mammal. 12:73-77.

Geographical area(s): BEAU, BERS, CHUK, NPAC

Commercial Whaling:

historic commercial whaling

Abundance & Distribution:

migration

Commercial Whaling:

historic commercial whaling

Kellogg, R. 1940. Whales, giants of the sea. Nat. Geogr. Mag. 77:35-90.

Geographical area(s): NPAC, BERS

Ecology:

feeding

Kent, D. B., S. Leatherwood, and L. Yohe. 1983. Responses of migrating gray whales to oil on the sea surface. Hubbs Sea World.

Geographical area(s): NPAC, BERS
Ecology

Killingley, J. S. 1980. Migrations of California gray whales tracked by Oxygen-18 variations in their epizoic barnacles. Science 207(4432).

Geographical area(s): NPAC, CA, BERS
Biology:
 pathology
Abundance & Distribution:
 migration, techniques
Ecology:
 strandings

Kimura, M. n.d. A bibliography of age determination of mammals (with special emphasis on the cetacea). La Jolla, CA: NOAA, NMFS, Southwest Fisheries Center

Geographical area(s): N/S
Biology:
 physiology, morphology

Kinne, O. 1975. Orientation in space: Animals - mammals, pp.709-852. In: O. Kinne, ed., Environmental factors, pt.2, vol.11 of Marine ecology. London: John Wiley & Sons.

Geographical area(s): N/S
Biology:
 physiology
Ecology:
 behavior, habitat, sounds
Abundance & Distribution:
 migration

* Kinnetic Laboratories, Inc. 1983. Annotated bibliography. Environmental characterization of the North Aleutian Shelf nearshore region, vol. 2. Rept. for NOAA, OCS Environmental Assessment Program, Western Administrative Support Center, Seattle, WA.

Geographical area(s): BERS
Ecology:
 life history
Abundance & Distribution:
 abundance, distribution

Kinnetic Laboratories, Inc. 1984. Characterization, processes, and vulnerability to development. Environmental characterization of the North Aleutian Shelf nearshore region, vol. 1. Prepared for NOAA, OCS Environmental Assessment Program, Western Administrative Support Center, Seattle, WA.

Geographical area(s): NPAC, GOAK, BERS
Effects of Petroleum on Prey
Abundance & Distribution:
 migration
Biology

Kirk, R., & R. D. Daugherty. 1974. Hunters of the whale. NY: William Morrow & Co.

Geographical area(s): NPAC, WA
Subsistence Whaling:
 subsistence whaling - historic

Klevezal, G. A. 1972. Age and growth, pp.377-397. In: A. V. Yablokov, V. M. Bel'Kov, & V. I. Borisov, eds., Whales and dolphins, pts. 1 and 2 [Kity i Del'finy]. Moscow: Izd-vo Nauka. (Transl., NTIS Rept. no. JPRS-62150-1).

Geographical area(s):

- * Klumov, S. K. 1984. Pitaniye i gelmin to fauna usatykh kitov (Mystacoceti) v osnovnykh raionakh mirovogo okeana [Food and helminth fauna of whalebone whales (Mystiacti) in the main whaling regions of world oceans]. Tr. Inst. Okeanol. im. P.P. Shirshova, Adad. Nauk SSSR 71:94-194. [Transl by Fish Res. Board Canada (1965)].

Geographical area(s): N/S
Ecology:
 feeding
Biology:
 pathology

Kooyman, G.L. 1975. Spout of the gray whale: Its physical characteristics. Science 190(4217): 908-910.

Geographical area(s): N/S, NPAC
Biology:
 physiology

Kooyman, G. L., & H. T. Andersen. 1969. Deep diving, pp.65-94. In: H. T. Anderson, ed., The biology of marine mammals. New York: Academic Press.

Geographical area(s): N/S

Biology:

physiology, histology

Kooyman, G. L., M. A. Castellini, & R. W. Davis. 1981. Physiology of diving marine mammals. Ann. Rev. Physiol. 43:343-356.

Geographical area(s): N/S

Biology:

physiology

Krasheninnikov, S. P. 1775. Description of the Kamchatka Peninsula, vols. 1 & 2. St. Petersburg: Imper. Akad. Nauk.

Geographical area(s): BERS, NPAC, USSR

Population Dynamics:

review

Biology:

taxonomy

Krogman, B. D., R. M. Sonntag, & H. W. Braham. 1979a. Arctic whale task aerial survey format. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center.

Geographical area(s): N/S

Population Dynamics:

techniques

Abundance & Distribution:

abundance

Krupnik, I. I. 1982. Gray whale in the economy and aboriginal whaling of Chukotka Peninsula, pp.179-180. In Russian. In: Study, conservation, and rational exploitation of sea mammals.

Geographical area(s): CHUK, BERS

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Krupnik, I. I. 1984. Gray whales and the aborigines of the Pacific Northwest: The history of aboriginal whaling, pp.103-120. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): BERS, CHUK, USSR, OKHO
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)
 Population Dynamics:
 review

Krupnik, I. I., L. S. Bogoslovskaya, & L. M. Votrogov. 1983.
 Gray whaling off Chukotka Peninsula: Past and present status.
 Rept. Int. Whaling Comm. 33:557-562 (SC/34/PS 25).

Geographical area(s): CHUK, BERS
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)

Kuz'min, A. A., & A. A. Berzin. 1975. Raspredelenie i
 sovremennoe sostoyaniye chislennosti gladkikh i serykh kotov v
 dal'nevostocnykh moriyakh [Distribution and current numbers of
 right and gray whales in the Far-east seas], pp.121-122. In:
 Biologicheskie resursy morei dal'nego vostoka [Biological
 resources of the Far-east seas]. Papers of the All-Union
 Conference, October, 1975, Vladivostok. (Transl. avail. NMFS,
 Off. Internatl. Fish., Land. Ser. Branch, Washington, D. C.).

Geographical area(s): BERS, CHUK
 Ecology:
 behavior
 Abundance & Distribution:
 distribution

Kvitek, R. G. and J. S. Oliver. 1986. Side-scan sonar
 estimates of the utilization of gray whale feeding grounds
 along Vancouver Island, Canada. Continental Shelf Res. 6(5):
 639-654.

Geographical area(s): NPAC
 Ecology:
 feeding, techniques
 Abundance & Distribution:
 migration

Larson, L.M. 1917. The King's Mirror (Speculum Regale -
 Konungs Skuggska). Scand. Monogr., Am. Scand. Found.

Geographical area(s): NATL
 Biology:
 taxonomy, morphology

Lauber, P. 1975. The great whales. Gerrard.

Geographical area(s): N/S

Abundance & Distribution:
distribution, migration

Ecology:
behavior

Biology:
reproduction

Subsistence Whaling:
whaling (recent)

Laughlin, W. S., & A. B. Harper. 1982. Demographic diversity, length of life and Aleut- Eskimo whaling. Rept. Int. Whaling Comm. Special Issue no. 4:75-77.

Geographical area(s): BEAU, ARCT, CHUK, BERS
Subsistence Whaling:
subsistence whaling - historic

Laws, R. M. 1956. Growth and sexual maturity in aquatic mammals. Nature 178(4526): 193-194.

Geographical area(s): N/S
Biology:
growth

Lawson, S. 1983. A population study of the gray whale, 'Eschrichtius robustus'. J. Undergrad Res. Biol. Sci. 13: 75-86.

Geographical area(s):
Population Dynamics
Biology

Leatherwood, J. S. 1974a. Aerial observations of migrating gray whales, 'Eschrichtius robustus', off southern California, 1969-72. Mar. Fish. Rev. 36(4): 45-50.

Geographical area(s): NPAC, CA
Population Dynamics:
population structure
Abundance & Distribution:
migration, distribution
Ecology:
behavior

Leatherwood, J. S. 1974b. A note on gray whale behavioral interactions with other marine mammals. Mar. Fish. Rev. 36(4):50-51.

Geographical area(s): NPAC, CA

Ecology:
behavior

Leatherwood, S. 1975. A California gray whale calf, 'Eschrichtius robustus', born outside the calving lagoons. Bull. Southern CA Acad. Sci. 74(1): 45-46.

Geographical area(s): NPAC, CA
Biology:
reproduction
Ecology:
behavior

Leatherwood, S., & W. E. Evans. 1979. Some recent uses and potentials of radiotelemetry in field studies of cetaceans, pp.1-31. In: Cetaceans, Vol.3 of Behavior of marine animals: Current perspectives in research.

Geographical area(s): N/S
Ecology:
techniques
Population Dynamics:
techniques

Leatherwood, S., W. E. Evans, & D. W. Rice. 1972. The whales, dolphins and porpoises of the eastern North Pacific: A guide to their identification in the water. Rept. no. NUC-TP-282. San Diego, CA: Naval Undersea Research & Development Center.

Geographical area(s):

Leatherwood, S., K. Goodrich, A. L. Kinter, & R. M. Truppo. 1982. Respiration patterns and 'sightability' of whales. Rept. Int. Whaling Comm. 32:601-13 (SC/33/0 11).

Geographical area(s): N/S
Ecology:
behavior, techniques
Abundance & Distribution:
abundance, techniques

- * Leatherwood, S., A. E. Bowles, & R. R. Reeves. 1983. Endangered whales of the eastern Bering Sea and Shelikof Strait, Alaska: Results of aerial surveys, April 1982 through April 1983 with notes on other marine mammals seen. Final report to NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program, Juneau, AK. San Diego, CA: Hubbs-Sea World Research Inst.

Geographical area(s): BERS, GOAK

Biology

Abundance & Distribution:

abundance, distribution, review,
migration

Commercial Whaling:

historic commercial whaling

Population Dynamics:

techniques

- Lecky, J. H., R. M. Bruesewitz, and J. V. Gavining. 1979.
Effects of offshore exploratory drilling on migratory gray
whales. (*Eshrichtius robustus*) Unpubl. rept. NMFS, South-
west Fisheries Center, Long Beach, CA.

Geographical area(s): NPAC, CA, BERS

Noise:

disturbance, drilling, seismic

- Leung, Y. M. 1967. An illustrated guide to the species of
whale lice (Amphipoda, Cyamidae), ectoparasites of Cetacea,
with a guide to the literature. *Crustaceana* 12:278-91.

Geographical area(s): N/S

Biology:

pathology

- Lilljeborg, W. 1861. Hvalben funna i jordan pa Grason i
Roslagen i Sverige. Forhandl. Skan. Naturf., 8 de Mode,
Kobenhavn, 1860:599-616.

Geographical area(s): ATLA

Biology:

taxonomy

- Lilljeborg, W. 1866. Synopsis of the cetaceous mammalia of
Scandinavia (Sweden and Norway), pp.219-309. In: W. H.
Flower, ed., Recent memoirs on the cetacea by Professors
Eschricht, Reinhardt and Lilljeborg. London: Ray Society.
[Transl. of the Swedish original: Ofversigt af de inom
Skandinavien (Sverige och Norrige) antraffade Hvalartade
Daggdjur (cetacea), Uppsala Universitets, Arsskrift, 1862.]

Geographical area(s): NATL

Biology:

taxonomy, morphology

- Lilljeborg, W. 1867. On two fossil whales discovered in
Sweden. *Nova Acta Reg. Soc. Scient. Upsal.*

Geographical area(s): ATLA

Biology:

taxonomy

Linberg, J. M. 1967. Underwater in the right place to meet a whale. Life Magazine 63:48-54.

Geographical area(s): NPAC, MEXI

Ecology:

behavior

Lindsay, G. E. 1967. Gray whales. Pacific Discovery.

Geographical area(s): NPAC, CA, MEXI

Ecology:

behavior

Abundance & Distribution:

migration

Noise:

dredging

Litchfield, L. 1971. Oceans goes whale watching. Oceans 4(3): 40-51.

Geographical area(s): NPAC, MEXI

Biology

Long Term Effects:

abandonment of habitat, disturbance

- * Ljungblad, D. K. 1981. Aerial surveys of endangered whales in the Beaufort Sea, Chukchi Sea, and northern Bering Sea, Final report: March - November 1980. NOSC/TD-449. San Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior, sounds

Abundance & Distribution:

abundance, distribution, migration

Biology:

individual identification

- * Ljungblad, D. K., S. E. Moore, D. R. Van Schoik, & C. S. Winchell. 1982a. Aerial surveys of endangered whales in the Beaufort, Chukchi, and northern Bering Seas. NOSC/TD no. 386. Final rept. for April - October 1981, prepared for BLM. San Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, migration
 Ecology:
 feeding, sounds, behavior,
 habitat
 Subsistence Whaling:
 whaling (recent)
 Noise:
 seismic
 Population Dynamics:
 mortality

Ljungblad, D. K., S. E. Moore, & D. R. Van Schoik. 1983.
 Aerial surveys of endangered whales in the Beaufort, eastern
 Chukchi, and northern Bering Seas, 1982. NOSC/TD-605. San
 Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK
 Ecology:
 behavior, feeding, sounds
 Abundance & Distribution:
 abundance, distribution, migration
 Noise:
 aircraft, surface vessels
 Population Dynamics:
 population structure

* Ljungblad, D. K., S. E. Moore, & D. R. Van Schoik. 1984b.
 Aerial surveys of endangered whales in the northern Bering,
 eastern Chukchi, and Alaskan Beaufort Seas, 1983: with a five
 year review, 1979-1983. NOSC/TR no. 955. San Diego, CA: Naval
 Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK
 Ecology:
 behavior, feeding, life history,
 sounds
 Abundance & Distribution:
 abundance, distribution, migration
 Noise:
 aircraft
 Population Dynamics

* Ljungblad, D. K., S. E. Moore, J. T. Clark, D. R. Van Schoik &
 J. C. Bennett. 1985d. Aerial surveys of endangered whales in
 the northeastern Bering, eastern Chukchi and Alaskan Beaufort
 Seas, 1984: With a six year review, 1979-1984. NOSC/Tech.
 Rept. no. 1046. Prepared for MMS, AK OCS Region. San Diego,
 CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK
 Ecology:
 behavior, feeding, strandings,

sounds, habitat
 Abundance & Distribution:
 abundance, distribution, migration
 Noise:
 aircraft, disturbance
 Population Dynamics:
 recruitment

Lockyer, C. 1976. Body weights of some species of large whales. J. Cons. Int. Explor. Mer 36(3): 259-273.

Geographical area(s): N/S
 Biology:
 physiology

Lowry, L. F. 1982. Documentation and assessment of marine mammal-fishery interactions in the Bering Sea, pp.300-311. In: Trans., 47th North American Wildlife and Natural Resources Conference. Washington, D. C.: Wildlife Management Inst.

Geographical area(s): BERS
 Ecology:
 feeding
 Subsistence Whaling:
 management

Lowry, L. F., & K. J. Frost. n.d. Biological interactions among marine mammals and commercial fisheries in the Bering Sea. Unpubl. rept. prepared for AK Dept. Fish & Game, Fairbanks.

Geographical area(s): BERS
 Ecology:
 feeding

Lowry, L. F., K. J. Frost, D. G. Calkins, G. L. Swartzman, & S. Hills. 1982. Feeding habits, food requirements, and status of Bering Sea marine mammals. Unpubl. rept. submitted to North Pacific Fishery Management Council, Anchorage, AK.

Geographical area(s): BERS
 Ecology:
 feeding
 Abundance & Distribution:
 abundance

Lubbock, B. 1937. The Arctic whalers. Glasgow: Brown, Son, & Fergusson.

Geographical area(s): NATL

Biology:
taxonomy, morphology

Lucas, J. 1966. Conserving whales. Sci. Journal (April).

Geographical area(s): N/S
Ecology:
evolution

Mackintosh, N. A. 1946. The natural history of the whalebone whales. Smithson. Rept. 1946:35-265.

Geographical area(s): NPAC
Ecology:
feeding
Abundance & Distribution:
review, migration

Maher, W. J. 1960. Recent records of the California gray whale, 'Eschrichtius glaucus', along the north coast of Alaska. Arctic 13:257-265.

Geographical area(s): CHUK, BERS
Ecology:
behavior, feeding, habitat
Abundance & Distribution:
migration

Malme, C.I. 1985. Behavioral responses of gray whales to industrial noise: Feeding observations and predictive modeling. Progress rept. Memorandum ref. Contract no. 85-ABC-00141, BBN, Job. No. 01149.

Geographical area(s): BERS
Ecology:
behavior
Noise:
seismic, surface vessels, drilling,
ambient

Malme, C. I., & P. R. Miles. 1983. Acoustic testing procedures for determining the potential impact of underwater industrial noise on migrating gray whales. J. Acoust. Soc. Am. Suppl. 1, Vol. 74.

Geographical area(s): NPAC, CA
Noise:
seismic
Biology:
techniques

- * Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack & J. E. Bird.
1983a. Investigations of the potential effect of underwater noise from petroleum industry activities on migrating gray whale behavior. Rept. no. 5366. Final rept. for period of 7 June 1982 - 31 July 1983 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S

Ecology:

behavior, sounds

Noise:

aircraft, ambient, dredging,

drilling, helicopter, seismic, surface vessels, explosions

Abundance & Distribution:

migration, abundance, distribution

Population Dynamics:

population structure

Long Term Effects:

abandonment of habitat

Biology:

individual identification

- Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack & J. E. Bird.
1983b. Acoustic monitoring of migrating gray whale density, pp.E-1-E-3. In: Investigations of the potential effects of underwater noise from petroleum industry activity on migrating gray whale behavior. Final rept. no. 5366. Final rept. for the period of 7 June 1982 - 31 July 1983 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): NPAC, CA

Abundance & Distribution:

abundance, techniques

- Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack, & J. E. Bird. 1983c. Error analysis regarding respiration rate measurement, pp.F-1-F-7. In: Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior. Rept. no. 5366. Final rept. for the period of 7 June 1982 - 31 July 1983 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): NPAC, N/S, CA

Biology:

techniques, physiology

Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack, & J. E. Bird. 1983d. Theodolite tracking system error analysis, pp.G-1-G-9. In: Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior. Rept. no. 5366. Final rept. for the period 7 June 1982 - 31 July 1983. Anchorage, AK: MMS, AK OCS Office.

Geographical area(s): N/S, NPAC, CA

Biology:

techniques

Population Dynamics:

techniques

- * Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack & J. E. Bird. 1984a. Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior. Phase II: January 1984 migration. B.B.N. rept. no. 5586. Prepared for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): NPAC, CA, N/S, BERS, CHUK

Ecology:

behavior

Noise:

seismic, dredging, drilling,

surface vessels, aircraft

Long Term Effects

Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack, & J. E. Bird. 1984b. Theodolite tracking system error analysis, pp.E-1-E-7. In: Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior. Phase II: January 1984 migration. Rept. no. 5586. Prepared for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): NPAC, N/S

Ecology:

techniques, behavior

Malme, C. I., P. R. Miles, P. Tyack, C. W. Clark, & J. E. Bird. 1985a. Investigation of the potential effects of underwater noise from petroleum industry activities on feeding humpback whale behavior. Rept. no. 5851. Anchorage, AK: MMS, AK OCS Office.

Geographical area(s): NPAC, AK

Ecology:

behavior, feeding

Noise:

ambient, drilling, helicopter,
seismic, surface vessels

Biology:

individual identification

Malme, C. I., P. R. Miles, P. Tyack, C. W. Clark, & J. E. Bird. 1985b. Sighting error analysis, pp.D-1-D-5. In: Investigation of the potential effects of underwater noise from petroleum industry activities on feeding humpback whale behavior. BBN rept. no. 5851. Prepared for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S, NPAC, CA

Biology:

techniques

Population Dynamics:

techniques

Manzer, J. I. 1954. Observations on the gray whale.
J. Mammal. 35:444-445.

Geographical area(s): NPAC

Abundance & Distribution:

abundance, distribution, migration

Marine Mammal Commission. 1979. Annual report of the
Marine Mammal Commission, calendar year 1978. Washington,
D.C.

Geographical area(s): N/S

Abundance & Distribution:

abundance

Subsistence Whaling:

management

Marquette, W. M., & H. W. Braham. 1980. The take distribution
of gray whales in northern Alaskan waters. Int. Whaling
Comm., Annual Meeting, 1980. SC/32/PS12.

Geographical area(s): BERS, CHUK

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Marquette, W. M., & H. W. Braham. 1982. Gray whale
distribution and catch by Alaskan Eskimos: A replacement for
bowhead whale? Arctic 35(3): 386-394.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

whaling (recent), management

Ecology:
 behavior
 Population Dynamics:
 management
 Abundance & Distribution:
 distribution

Martin, K. R. 1976. The whaling museum as a data source for whale population studies: Problems and responsibilities, pp. 369-373. In: Mammals in the seas, vol. 3 (1981). FAO Fish. Ser. no. 5.

Geographical area(s): NPAC, ARCT
 Commercial Whaling:
 historic commercial whaling
 Population Dynamics:
 review

Marx, W. 1966. An eviction of whales. Atlantic Monthly 217:91-95.

Geographical area(s): NPAC
 Ecology:
 habitat
 Noise:
 surface vessels
 Long Term Effects:
 abandonment of habitat
 Subsistence Whaling:
 whaling (recent)

Maser, C., B. R. Mate, F. J. F. Franklin, & C. T. Dyrness. 1981. Natural history of Oregon coastal mammals. General Tech. Rept. PNW-133. U.S. Forest Service, Pacific Northwest Forest and Range Experiment Station in cooperation with BLM.

Geographical area(s): NPAC, OR
 Biology:
 taxonomy, reproduction
 Ecology:
 life history, feeding, behavior
 Abundance & Distribution:
 abundance, distribution
 Population Dynamics:
 mortality

Mate, B. R. 1979. Report to project whales (NARL) on radio tagging of gray whale in Baja, Mexico (Appendix 7), pp.731-744. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): MEXI

Ecology:

behavior, techniques

Mate, B. R. 1984. Tracking of whales. ARGOS Newsletter (April) 19:1-3.

Geographical area(s): N/S

Ecology:

behavior, techniques

Mate, B. R., & J. T. Harvey. 1979. A new radio tag for large whales, p.39. In: Abstracts, Third Biennial Conference on the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, MEXI, CA, GOAK

Ecology:

behavior

Population Dynamics:

techniques

Abundance & Distribution:

migration

Mate, B. R., & J. T. Harvey. 1981a. An evaluation of three radio tags applied to gray whales and their utility in assessing whale movements and dive characteristics. Final rept. prepared for BLM.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

techniques, migration

Ecology:

behavior

Mate, B. R., & J. T. Harvey. 1981b. Dive characteristics and movements of radio-tagged gray whales, 'Eschrichtius robustus', p.51. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, MEXI, CA

Ecology:

behavior

Population Dynamics:

techniques

Abundance & Distribution:

migration

Mate, B. R., & J. T. Harvey. 1982a. Feasibility of tracking whales using the ARGOS satellite system. Prepared for AK Environmental Studies Program, Contract no. AA551-CT9-34 through modification #7.

Geographical area(s): NPAC, MEXI, BEAU

Ecology:

behavior, techniques

Abundance & Distribution:

migration, techniques

Mate, B. R., & J. T. Harvey. 1982b. Feasibility of tracking gray whales using the ARGOS satellite system, pp.1-10. In: ARGOS User's Conference, 13-15 December 1982, Annapolis, MD.

Geographical area(s): N/S, NPAC, MEXI

Ecology:

behavior, techniques

Abundance & Distribution:

migration, techniques

Mate, B. R., & J. T. Harvey. 1983. A new attachment device for radio-tagging large whales. J. Wildl. Manage. 47:868-872.

Geographical area(s): N/S, NPAC

Population Dynamics:

techniques

Ecology:

behavior, techniques

Mate, B. R., & J. T. Harvey. 1984. Ocean movements of radio-tagged gray whales, pp.577-598. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, MEXI, CA,, GOAK

Ecology:

behavior, techniques

Mate, B. R., D. Beaty, C. Hoisington, R. Kutz, & M. L. Mate. 1983a. Satellite monitoring of humpback whale diving behavior and movement. Presented at Argos Users Conference, 14 October 1983, London, England.

Geographical area(s): NPAC, MEXI, NATL

Ecology:

techniques, behavior

Abundance & Distribution:

migration

Mate, B. R., J. T. Harvey, L. Hobbs, & R. Maiefski. 1983b. A new attachment device for radio-tagging large whales. J. Wildl. Man. 47:868-872.

Geographical area(s): N/S, NPAC

Ecology:

behavior, techniques

Matthews, L. H. 1932. Lobster-krill, anomuran crustacea, that are the food of whales. *Discovery Reports* 5:467-484.

Geographical area(s): NPAC, MEXI
Ecology:
feeding

Matthews, L. H., ed. 1975. *The whale*. NY: Crescent Books.

Geographical area(s): N/S
Biology:
physiology, growth
Subsistence Whaling:
subsistence whaling - historic, whaling (recent)
Ecology:
behavior, sounds
Abundance & Distribution:
distribution, migration
Commercial Whaling:
historic commercial whaling

Mazzone, D. J. 1983. *Conservation Law Foundation vs. James G. Watt*. Civil Action re Georges Bank region of the Outer Continental Shelf. United States District Court, District of MA.

Geographical area(s): N/S, GEOB

McAlister, W. B. 1981. Estimates of fish consumption by marine mammals in the eastern Bering Sea and Aleutian Island area. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center, National Marine Mammal Lab. (7600 Sand Point Way, NW).

Geographical area(s): BERS
Ecology:
feeding, ecology

McLeod, S. A., & L. G. Barnes. 1983. Gray whales. *Terra* (The Natural History Museum of Los Angeles County) 22(2): 19-21.

Geographical area(s): N/S
Biology

McNulty, F. 1973. *The great whales*. Doubleday.

Geographical area(s): NPAC, CA

Abundance & Distribution:

migration

Ecology:

behavior

McVay, S. 1974. Reflections on the management of whaling, pp.369-382. In: W. E. Schevill, ed., The whale problem: A status report. Cambridge, MA: Harvard Univ. Press.

Geographical area(s): N/S

Subsistence Whaling:

conservation, subsistence whaling - historic

Mead, J. G., & E. D. Mitchell. 1984. Atlantic gray whales, pp.33-53. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NATL

Biology:

taxonomy

Population Dynamics:

review, stock assessment

Medway, W. 1974. Some coagulation factors in plasma from a California gray whale, 'Eschrichtius robustus'. Mar. Fish. Rev. 36(4): 24-25.

Geographical area(s): N/S

Biology:

physiology

Meek, A. 1918. The reproductive organs of Cetacea. J. Anat. 52:186-210.

Geographical area(s): N/S

Biology:

physiology, reproduction

Mercer, R. W., H. W. Braham, & C. H. Fiscus. 1977. Seasonal distribution and relative abundance of marine mammals in the Gulf of Alaska, pp.100-133. In: Environmental assessment of the Alaskan continental shelf, annual rept. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): GOAK, NPAC

Abundance & Distribution:

distribution, abundance

Mercer, R. W., D. B. Krogman, & R. M. Sonntag. 1978. Marine mammal data documentation for the Platforms of Opportunity Project and Outer Continental Shelf Environmental Assessment Program. Processed rept. Seattle, WA: NOAA, NMFS, Northwest AK Fisheries Center.

Geographical area(s): N/S

Population Dynamics:

techniques

Biology:

techniques

Migaki, G. 1979a. Tissues (structure/function): Microscopic examination of bowhead and gray whales for changes due to toxic substances and infectious agents, pp.401-415. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, CHUK, N/S

Biology:

histology, pathology

Migaki, G. 1981. The microscopic examination of the bowhead whale, 'Balaena mysticetus', and the gray whale, 'Eschrichtius robustus' for changes due to toxic substances and infectious agents, pp.173-199. In: T. F. Albert, ed., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, N/S

Biology:

histology, pathology

* Miles, P. R. 1984. Offshore seismic survey history in California and the migration of gray whales, pp.A-1-A-84. In: Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior. Phase II: January 1984 migration. Rept. no. 5586. Prepared for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): NPAC, CA

Ecology:

behavior

Abundance & Distribution:

migration, abundance, review

Noise:

ambient, drilling, helicopter,
seismic, surface vessels

Long Term Effects:

changes in migration

Biology:

individual identification

Miles, P. R., & C. I. Malme. 1983. Topographic shadowing of underwater sound: A potentially useful phenomenon in the acoustic environment of marine mammals, p.67. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): NPAC, CA, AK

Ecology:

behavior

Noise:

disturbance

Miller, R. V. & T. Miller. 1975. The world of the California gray whale.

Geographical area(s): NPAC

Biology:

morphology

Ecology:

feeding, behavior

Abundance & Distribution:

migration

Miller, G. W. 1984. Distribution and abundance of gray whales, pp.75-108. In: D. H. Thomson, ed., Feeding ecology of gray whales, 'Eschrichtius robustus', in the Chirikof Basin, summer, 1982. Unpubl. final rept. for NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program, Anchorage, AK. LGL Alaska Research Associated, Inc.

Geographical area(s): BERS

Abundance & Distribution:

distribution, abundance

Ecology:

feeding

Miller, G. S., Jr. 1923. The telescoping of the cetacean skull. Smithson. Misc. Collect. 76(5): 1-70.

Geographical area(s): N/S

Biology:

morphology, physiology

Ecology:

evolution

Miller, R. V., J. H. Johnson, & N. V. Doroshenko. 1985. Gray whales, '*Eschrichtius robustus*', in the western Chukchi and the east Siberian Seas. *Arctic* 38(1): 58-60.

Geographical area(s): BERS, CHUK, ARCT, USSR

Abundance & Distribution:

distribution

Ecology:

habitat, feeding

Mills, J. G., & J. E. Mills. 1979. Observations of a gray whale birth. *Bull. Southern CA Acad. Sci.* 78(3): 192-196.

Geographical area(s): NPAC, MEXI

Biology:

reproduction

Minerals Management Service. 1983a. St. George Basin. Final supplemental environmental impact statement. Rept. no. NP - 4900206. Anchorage, AK.: MMS. (Available from NTIS.)

Geographical area(s): BERS

Noise:

seismic

Abundance & Distribution:

distribution

Ecology:

behavior

Effects of Petroleum on Cetaceans

Minerals Management Service. 1983b. St. George Basin: Draft supplemental environmental impact statement. Anchorage, AK.

Geographical area(s): BERS

Abundance & Distribution:

abundance, distribution, migration

Noise:

seismic

Effects of Petroleum on Cetaceans:

spill

Probability of Oil Spill Encounter

Ecology:

behavior

Mitchell, E. D. 1973. The status of the world's whales. *Nat. Canada* 2(4): 9-25.

Geographical area(s): N/S

Subsistence Whaling:

conservation, management
Abundance & Distribution:
abundance

Mitchell, E. D. 1974. Present status of northern Atlantic fin and other whale stocks, pp.108-169. In: W. E. Schevill, ed., The whale problem: A status report. Cambridge, MA: Harvard Univ. Press.

Geographical area(s): NATL, US
Subsistence Whaling:
whaling (recent)
Abundance & Distribution:
abundance

Mitchell, E. 1979a. Comments on magnitude of early catch of east Pacific gray whale, '*Eschrichtius robustus*'. Rept. Int. Whaling Comm. 29:307-314 (SC/30/Doc. 41).

Geographical area(s): NPAC
Subsistence Whaling:
subsistence whaling - historic
Commercial Whaling:
commercial whaling (historic)

Mitchell, E. 1979b. 'Origins of eastern north Pacific Sea mammal fauna. Whalewatcher 13(4).

Geographical area(s):

Mitchell, E. D., & J. M. Breiwick. 1983. On the minimum population level of '*mysticetus*' from which recovery is problematical, p.68. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s):
Population Dynamics:
recruitment, review

Mitchell, E., & J. G. Mead. 1977. History of the gray whale in the Atlantic Ocean. Proceedings, Second Biennial Conference on the Biology of Marine Mammals, 12-15 December 1977, San Diego, CA.

Geographical area(s): NATL

Miyazaki, N. 1980. Catch records of cetaceans off the coast of the Kii Peninsula, Japan. Mem. Natl. Sci. Mus. (Tokyo) 13:69-82.

Geographical area(s): NPAC
Abundance & Distribution:
distribution

Mizue, K. 1951. Grey whales in the East Sea of Korea. Sci. Rep. Whales Res. Inst. 5:71-79.

Geographical area(s): NPAC, KORE, JAPA
Commercial Whaling:
historic commercial whaling
Abundance & Distribution:
review, migration
Biology:
morphology

Moore, S. E., & D. K. Ljungblad. 1984. Gray whales in the Beaufort, Chukchi, and Bering Seas: Distribution and sound production, pp.543-559. In: M.L. Jones, S.L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): BERS, CHUK
Abundance & Distribution:
distribution
Ecology:
feeding, sounds

Moore, S. E., D. K. Ljungblad, & D. R. Schmidt. 1984a. Ambient, industrial, and biological sounds recorded in the northern Bering, eastern Chukchi, and Alaskan Beaufort Seas during the seasonal migrations of the bowhead whale ('Balaena mysticetus'), 1979-1982. Final rept. prepared for MMS, Alaska OCS Region. San Diego, CA: SEACO, Inc. (2847 Nimitz Blvd., San Diego, CA 92106).

Geographical area(s): BEAU, BERS, CHUK
Noise:
aircraft, ambient, drilling,
seismic, surface vessels
Ecology:
behavior, sounds

Moore, S. E., D. K. Ljungblad, & D. R. Van Schoik. 1984b
Annual patterns of gray whale, 'Eschrichtius robustus',
distribution, abundance, and behavior in the northern Bering
and eastern Chukchi Seas, 1980-1983. (Submitted for
publication, 35th Annual Report, Int. Whaling Comm.,
SC/36/PS2.)

Geographical area(s): BERS, CHUK

Population Dynamics:

recruitment

Abundance & Distribution:

distribution, abundance

Ecology:

behavior, feeding, sounds

Biology

Moore, S. E., J. T. Clarke, & D. K. Ljungblad. 1985. A
comparison of gray whale 'Eschrichtius robustus' and
bowhead whale 'Balaena mysticetus' distribution, abundance,
habitat preference and behavior in the northeastern Chukchi
Sea, 1982-1984. In: Abstracts, Sixth Biennial Conference on
the Biology of Marine Mammals, 22-26 November 1985, Vancouver,
British Columbia. (Submitted for publication, 36th Annual
Report, Int. Whaling Comm., SC/37/PS2.)

Geographical area(s): CHUK

Abundance & Distribution:

distribution, abundance

Ecology:

habitat, behavior

Morejohn, G. V. 1968. A killer whale-gray whale encounter.
J. Mammal. 49:327-328.

Geographical area(s): NPAC, CA

Population Dynamics:

mortality

Morgan, L. 1978a. Early native whaling in Alaska. AK Geogr.,
Alaska Whales and Whaling 5(4): 45-49.

Geographical area(s): BERS, CHUK, BEAU, ARCT

Subsistence Whaling:

subsistence whaling - historic

Morris, P. 1972. A review of mammalian age determination
methods. Mammal Rev. 2(3): 69-104.

Geographical area(s): N/S

Biology:

physiology, techniques

Murison, L. D., D. J. Murie, K. R. Morin, & D. de Silva
Curiel. 1984. Foraging of the gray whale along the west coast
of Vancouver Island, British Columbia, pp.451-463. In: M. L.
Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale,
'*Eschrichtius robustus*'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, CANA

Ecology:

feeding, behavior

Nasu, K. 1960. Oceanographic investigation in the Chukchi
Sea during the summer of 1958. Sci. Rep. Whales Res. Inst.
15:143-158.

Geographical area(s): BEAU, CHUK, BERS

Ecology:

habitat

Subsistence Whaling

- * National Academy of Sciences. 1982. Draft - Petroleum in the
marine environment. Washington, D. C.: NAS.

Geographical area(s): N/S, BERS, CHUK, NPAK

Effects of Petroleum on Cetaceans:

avoidance, detection, external contact,
ingestion, inhalation

Effects of Petroleum on Prey

National Marine Fisheries Service. 1974.
Mar. Fish. Rev. 36(4).

Geographical area(s): NPAC, CA, MEXI, N/S

Abundance & Distribution:

abundance, distribution, migration

Ecology:

behavior, feeding, sounds

Biology:

growth, morphology, physiology

National Marine Fisheries Service. 1980. Draft proceedings of
the interagency meeting to review, coordinate, and plan
bowhead whale research, other cetacean research and related
research bearing upon the conservation and protection of
endangered marine species in Alaska and elsewhere, 12-14
November 1980, Seattle, WA. BLM, Marine Mammal Commission.

Geographical area(s): N/S, BEAU, BERS, CHUK

Biology

Population Dynamics

Noise

Effects of Petroleum on Cetaceans

National Marine Fisheries Service, National Marine Mammal Laboratory. 1979. Preliminary report on gray whale research at Scammon's Lagoon, Baja California, during the 1979 season. Int. Whaling Comm. Annual Meeting (SC/31/Doc 24).

Geographical area(s): MEXI, NPAC

National Oceanic & Atmospheric Administration. 1975a. Annual report 1974-75, Marine Mammals Protection Act of 1972. Washington, D.C.: NOAA, NMFS.

Geographical area(s): N/S

Subsistence Whaling:

management, whaling (recent)

Abundance & Distribution:

abundance

National Oceanic & Atmospheric Administration. 1975b.

Marine mammal summary, pp.21-36. In: Environmental assessment of the Alaskan continental shelf, Annual reports summary.

Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): BEAU, CHUK, BERS, GOAK

Population Dynamics

Biology

National Oceanic & Atmospheric Administration. 1978c. The Marine Mammal Protection Act of 1972 annual report: 1 April 1977 to 31 March 1978. NOAA Report, Jun 78.

Geographical area(s): N/S

Subsistence Whaling:

management

National Oceanic & Atmospheric Administration. 1984. OCS comprehensive bibliography. Juneau, AK: NOAA, Nat. Ocean Serv., Office Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): BEAU, BERS, CHUK, NPAC, GOAK

Subsistence Whaling:

subsistence whaling - historic
 Abundance & Distribution:
 abundance, distribution, migration
 Ecology:
 life history, habitat, feeding,
 behavior
 Commercial Whaling:
 historic commercial whaling

Nelson, C. H., & K. R. Johnson. 1984. Gray whales, tillers of the sea floor, pp.99-107. In: S. H. Clarke, ed., Highlights in marine research. USGS Circular no.938.

Geographical area(s): BERS, CHUK
 Ecology:
 behavior, habitat, feeding,
 techniques
 Long Term Effects:
 abandonment of habitat
 Biology:
 techniques

Nelson, E. W., & F. W. True. 1886. Mammals of northern Alaska. Part 2 of Contributions to the natural history of Alaska and report upon natural history collections made in Alaska. In: L. M. Turner, ed., The miscellaneous documents of the Senate of the United States for the first session of the 49th congress, 8(155). Washington, D. C. : GPO.

Geographical area(s):

Nelson, C. H., K. R. Johnson, & H. L. Mitchell. 1983. Assessment of gray whale feeding grounds and sea floor interaction in the northeastern Bering Sea. Draft rept. to OCS Environmental Assessment Program.

Geographical area(s): BERS
 Ecology:
 feeding, techniques

Nemoto, T. 1957. Foods of baleen whales in the northern Pacific. Sci. Rep. Whales Res. Inst. 12:33-89.

Geographical area(s): BERS, BEAU, CHUK, NPAC, GOAK, ANTA
 Ecology:
 feeding, habitat
 Biology:
 physiology

Nemoto, T. 1959. Food of baleen whales with reference to whale movements. Sci. Rep. Whales Res. Inst. 14:149-282.

Geographical area(s): NPAC, CHUK, BERS, BEAU, ATLA, N/S

Ecology:

feeding, behavior

Abundance & Distribution:

migration

Biology:

morphology, physiology

Nemoto, T. 1964. School of baleen whales in the feeding areas. Sci. Rep. Whale Res. Inst. 18:89-110.

Geographical area(s): NPAC, BERS, N/S

Ecology:

behavior

Nemoto, T. 1970. Feeding patterns of baleen whales in the ocean, pp.241-252. In: J. H. Steele, ed., Marine food chains. Berkeley: Univ. CA Press.

Geographical area(s): N/S

Ecology:

feeding, behavior

Biology:

physiology

Nerini, M. 1981. Gray whales and the structure of the Bering Sea benthic community, p.84. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BERS, CHUK

Ecology:

feeding, habitat, techniques

- * Nerini, M. 1984. A review of gray whale feeding ecology, pp.423-450. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): N/S, BERS, CHUK, NPAC

Ecology:

feeding, techniques

- * Nerini, M. K., & J. S. Oliver. 1983. Gray whales and the structure of the Bering Sea benthos. Oecologia (Berlin) 59:224-225.

Geographical area(s): BERS, CHUK

Ecology:

feeding

Nerini, M., L. Jones, & H. Braham. 1981. Gray whale feeding ecology. Final rept. to NOAA, OCS Environmental Assessment Program, Research Unit 593, Contract no. R7120828. Seattle, WA: National Marine Mammal Lab.

Geographical area(s): BERS

Ecology:

feeding, techniques

- * Newbury, T. K. 1979. Possible accumulation of heavy metals around offshore oil production facilities in the Beaufort Sea. Arctic 32(1): 42-45.

Geographical area(s): BEAU, N/S

Effects of Petroleum on Prey

Contaminants:

trace metals

Newman, J. R. 1976. Observations of sexual behavior in male gray whales, 'Eschrichtius robustus'. Murrelet 57(2): 49.

Geographical area(s): NPAC, WA

Ecology:

behavior

Biology:

reproduction

Nikulin, P. G. 1946. O raspredelenii kitoobraznyky v moryakh, omyvayushchikh Chukotskiy poluostrov [Distribution of cetaceans in seas surrounding the Chukchi Peninsula]. Izv Tikhookean. Nauchno-issled. Inst. Rybn. Khos. Okeanogr. (TIRNO) 22:255-257. (Transl. by U.S. Naval Oceanographic Office, Washington, D.C., Transl. 428.)

Geographical area(s): CHUK

Biology

Abundance & Distribution:

distribution, abundance

Nishiwaki, M. 1950. On the body weight of whales. Sci. Rep. Whales Res. Inst. 4:184-209.

Geographical area(s): NPAC, N/S

Biology:

morphology

Nishiwaki, M., & T. Kasuya. 1970. Recent record of gray whale in the adjacent waters of Japan and a consideration on its migration. Sci. Rep. Whales Res. Inst. 22:29-37.

Geographical area(s): NPAC, JAPA

Commercial Whaling:

historic commercial whaling

Abundance & Distribution:

migration

Biology:

morphology

Ecology:

strandings

Nishiwaki, M., & A. Sasao. 1977. Human activities disturbing natural migration routes of whales. Sci. Rep. Whales Res. Inst. 29:113-120.

Geographical area(s): NPAC, JAPA

Long Term Effects:

disturbance, changes in migration

Noise:

surface vessels

Norris, K. S. 1969. The echolocation of marine mammals. pp.391-421. In: H. T. Anderson, ed., The biology of marine mammals. NY: Academic Press.

Geographical area(s): N/S

Ecology:

sounds

Biology:

physiology

Norris, K. S., & R. L. Gentry. 1974. Capture and harnessing of young California gray whales, 'Eschrichtius robustus'. Mar. Fish. Rev. 36(4): 58-64.

Geographical area(s): NPAC, MEXI, N/S

Ecology:

techniques, behavior

Norris, K. S., & J. H. Prescott. 1961. Observations on Pacific cetaceans of California and Mexican waters. Univ. CA Berkeley Publ. Zool. 63(4):291-402.

Geographical area(s): NPAC, MEXI

Ecology:

behavior

Abundance & Distribution:

migration, abundance

Biology:
pathology

Norris, K. S., & B. Wursig. 1979. Gray whale lagoon entrance aggregations, p.44. In: Abstracts, Third Biennial Conference on The Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, MEXI
Ecology:
behavior, feeding

Norris, K. S., R. M. Goodman, B. Villa-Ramirez, & L. J. Hobbs. 1977. Behavior of the California gray whale, '*Eschrichtius robustus*', in southern Baja California, Mexico. Fish. Bull. 75:159-172.

Geographical area(s): NPAC, MEXI
Ecology:
behavior, techniques, feeding,
sounds

Norris, K. S., B. Villa-Ramirez, G. Nichols, B. Wursig, & K. Miller. 1983. Lagoon entrance and other aggregations of gray whales, '*Eschrichtius robustus*'. In: R. Payne, ed., Behavior and communication of whales: AAAS Selected Symposium 76. Boulder, CO: Westview Press.

Geographical area(s): NPAC, CA
Ecology:
behavior, feeding

Norris, K. S., ed. 1977. Whales, dolphins, and porpoises. Berkeley and Los Angeles, CA: Univ. CA Press.

Geographical area(s): N/S
Biology:
morphology, physiology, reproduction
Ecology:
sounds, behavior

O'Leary, B. L. 1984. Aboriginal whaling from the Aleutian Islands to Washington State, pp.79-102. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, '*Eschrichtius robustus*'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, WA, CANA, GOAK, BERS
Subsistence Whaling:
subsistence whaling - historic

- Odell, D. K. 1983. An Atlantic gray whale from Florida, p.72. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): NATL, FL, US
Population Dynamics:
review

- Ohsumi, S. 1976. Population assessment of the California whale. Rept. Int. Whaling Comm. 26:350-359 (SC/27/Doc 19).

Geographical area(s): NPAC
Subsistence Whaling:
subsistence whaling - historic
Population Dynamics:
stock assessment
Abundance & Distribution:
abundance

- Ohsumi, S. 1979. Interspecies relationships among some biological parameters in cetaceans and estimation of the natural mortality coefficient of the southern hemisphere minke whale. Rept. Int. Whaling Comm. 29:397-406.

Geographical area(s):

- Oliver, G. W. 1981. OCSEAP Marine Mammal Programs: A review and projections for the future, p.88. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BERS, CHUK
Abundance & Distribution:
abundance, distribution
Ecology:
feeding

- Oliver, J. S. 1983. Population and community consequences of gray whale feeding in soft bottoms, p.75. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): BERS, NPAC, CANA
Ecology:
feeding, habitat
Biology

Oliver, J. S. and R. G. Kvitek. 1984. Side-scan sonar records and diver observations of the gray whale (*Eshrichtius robustus*) feeding grounds. Biol. Bull. 167:264-269

Geographical area(s):

Ecology:

feeding, habitat, techniques

Oliver, J. S. and P. N. Slattery. 1985. Destruction and opportunity on the sea floor: Effects of gray whale feeding. Ecology 66(6):1965-1975.

Geographical area(s): NPAC, BERS

Ecology:

feeding, habitat

- * Oliver, J. S., P. N. Slattery, M. A. Silberstein, & E. F. O'Connor. 1983. Comparison of gray whale, '*Eshrichtius robustus*', feeding in the Bering Sea and Baja California. Fish. Bull. 81:513-522.

Geographical area(s): NPAC, MEXI, BERS

Ecology:

feeding

Oliver, J. S., P. N. Slattery, M. A. Silberstein, & E. F. O'Connor. 1984. Gray whale feeding on dense amphipod communities near Bamfield, British Columbia. Can. J. Zool. 62:41-49.

Geographical area(s): NPAC, CANA

Ecology:

feeding, techniques

Omura, H. 1971. A comparison of the size of vertebrae among some species of the baleen whales with special reference to whale movements. Sci. Rep. Whales Res. Inst. 23:61-69.

Geographical area(s): N/S

Biology:

morphology, physiology

Abundance & Distribution:

migration

Ecology:

behavior

Omura, H. 1974. Possible migration route of the gray whale on the coast of Japan. Sci. Rep. Whales Res. Inst. 26:1-14.

Geographical area(s): NPAC, JAPA
 Abundance & Distribution:
 review, migration, distribution
 Biology:
 reproduction, morphology
 Commercial Whaling:
 historic commercial whaling
 Noise:
 surface vessels
 Long Term Effects:
 abandonment of habitat
 Population Dynamics:
 stock assessment
 Ecology:
 feeding

Omura, H. 1984. History of gray whales in Japan, pp.57-77.
 In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The
 gray whale, '*Eschrichtius robustus*'. Orlando, FL: Academic
 Press.

Geographical area(s): NPAC, JAPA
 Subsistence Whaling:
 subsistence whaling - historic
 Abundance & Distribution:
 review, distribution
 Long Term Effects:
 abandonment of habitat
 Commercial Whaling:
 historic commercial whaling

Omura, H., K. Maeda, & I. Miyazaki. 1953. Whaling in the
 adjacent waters of Japan. Nor. Hvalfangst Tid. 42:199-
 212.

Geographical area(s): NPAC, JAPA
 Commercial Whaling:
 historic commercial whaling

Orr, R. T. 1969. The gray whale "crisis" of 1969. Pac.
 Discovery 22(6): 1-7.

Geographical area(s): NPAC, CA
 Population Dynamics:
 mortality
 Effects of Petroleum on Cetaceans:
 external contact
 Ecology:
 strandings

Orr, R. T. 1970. Animals in migration. London: MacMillan Co.

Geographical area(s): NPAC

Biology:

reproduction

Abundance & Distribution:

migration

Otsuki, K. 1980 [1951]. Geishiko [A draft of a history of the whale]. Tokyo: Japan Whaling Assoc.

Geographical area(s): NPAC, JAPA

Subsistence Whaling:

subsistence whaling - historic

Patten, D. R., & W. F. Samaras. 1977. Unseasonable occurrences of gray whales. Bull. Southern CA Acad. Sci. 76(3): 205-208.

Geographical area(s): MEXI, NPAC, WA, OR, CANA

Abundance & Distribution:

distribution

Ecology:

behavior

Patten, D. R., & S. Saruba. 1979. Analysis of marine mammal strandings in Los Angeles and Orange counties, 1975-1978, p.44. In: Abstracts, Third Biennial Conference of the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, CA

Abundance & Distribution:

abundance, migration

Ecology:

strandings

Payne, R. S. 1977. A note on harassment.

Geographical area(s): N/S

Noise:

surface vessels

Long Term Effects:

disturbance, abandonment of habitat

Peilie, W. 1978. Studies on the baleen whales in the Yellow Sea. Acta Zool. Sin. 24(3): 277.

Geographical area(s): NPAC, CHIN

Biology:

morphology

Abundance & Distribution:

distribution

Pentis, A.L. 1971. Whale watching at San Diego - the California gray whale. San Diego: Board of Education.

Geographical area(s): NPAC, CA
Ecology:
behavior

Phleger, F. 1959. The whales go by. Random House.

Geographical area(s): NPAC
Abundance & Distribution:
migration

Pike, G. 1956. Guide to the whales, porpoises and dolphins of the north-east Pacific and Arctic waters of Canada and Alaska. Fish. Res. Board Can. Circular no. 32.

Geographical area(s): NPAC, BERS, CHUK, BEAU
Biology:
morphology
Ecology:
strandings

* Pike, G. C. 1962. Migration and feeding of the gray whale, 'Eschrichtius gibbosus'. J. Fish. Res. Board Can. 19:815-838.

Geographical area(s): NPAC, GOAK, BERS, CHUK, CANA, WCOA
Ecology:
feeding, behavior
Abundance & Distribution:
distribution, migration
Biology:
reproduction
Population Dynamics:
mortality

Pike, G. C., & I. B. MacAskie. 1969. Marine mammals of British Columbia. Fish. Res. Board Can. Bull. no. 171.

Geographical area(s): NPAC, CA
Ecology:
strandings, feeding
Abundance & Distribution:
migration
Commercial Whaling:
historic commercial whaling

Pivorunas, A. 1976. A mathematical consideration of the function of baleen plates and their fringes. Sci. Rep. Whales Res. Inst. 28:37-55.

Geographical area(s): N/S
 Biology:
 morphology, physiology
 Ecology:
 feeding

Poole, M. M. 1980. Research on the spring migration of the California gray whale, '*Eschrichtius robustus*', from Pt. Piedras Blancas, California. Unpubl. ms.

Geographical area(s): NPAC, CA
 Abundance & Distribution:
 migration

Poole, M. M. 1981. The northward migration of the California gray whale, '*Eschrichtius robustus*', off the central California coast, p.96. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, CA
 Abundance & Distribution:
 distribution, migration

Poole, M. M. 1983a. Estimated increase in gray whale calf mortality due to climatic perturbations, p.82. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): NPAC, CA
 Population Dynamics:
 mortality, recruitment

Poole, M. M. 1983b. Temporal segregation, disparate corridors, abundance, and mortality of migrating gray whales, 1980-1983, p.82. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): NPAC, CA
 Abundance & Distribution:
 migration

Poole, M. M. 1984a. Migration corridors of gray whales along the central California coast, 1980-1982, pp.389-407. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, '*Eschrichtius robustus*'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, CA

Abundance & Distribution:
 migration
 Long Term Effects:
 changes in migration
 Population Dynamics:
 population structure

- * Poole, M. M. 1984b. Preliminary assessment of annual calf production of the California gray whale, 'Eschrichtius robustus', from Pt. Piedras Blancas, California. Rept. Int. Whaling Comm. Special Issue no. 6.

Geographical area(s): NPAC, CA, N/S
 Population Dynamics:
 recruitment, population structure
 Biology:
 reproduction
 Abundance & Distribution:
 abundance

Poulter, T.C. 1968. Vocalization of the gray whale in Laguna Ojo de Liebre (Scammons Lagoon) Baja California, Mexico. Nor. Hvalfangst Tid. 57:53-62.

Geographical area(s): NPAC, MEXI
 Ecology:
 behavior, sounds
 Noise:
 aircraft, surface vessels, helicopter

Powell, B. A. 1976. Letter to R. W. Dickieson. U.S. Dept. of Navy, Naval Undersea Center, San Diego, CA.

Geographical area(s): N/S
 Noise:
 surface vessels, disturbance
 Population Dynamics:
 mortality

Provincial Archives. 1968. Nootka. British Columbia Heritage Series, Out Native People Series 1, vol. 5.

Geographical area(s): NPAC, CANA
 Subsistence Whaling:
 subsistence whaling - historic

Ralls, K. 1976. Mammals in which females are larger than males. Quart. Rev. Biol. 51:245-276.

Geographical area(s): N/S
 Ecology:

life history

Ramsey, D. H. 1968. Diurnal fluctuations in censuses of migrating California gray whales. *Nor. Hvalfangst Tid.* 57(5): 101-105.

Geographical area(s): NPAC, BERS, CHUK, CA

Abundance & Distribution:

techniques, abundance

Ecology:

behavior

Noise:

surface vessels

Rasmussen, R. A., & N. E. Head. 1965. The quiet gray whale, '*Eschrichtius glaucus*'. *Deep Sea Res.* 12:869-877.

Geographical area(s): NPAC, CA, MEXI

Ecology:

sounds, behavior

Raush, R. L., & F. H. Fay. 1966. Studies on the helminth fauna of Alaska: XLIV Revision of '*Ogmogaster jagerskoild*', 1891, with a description of '*O. pentalineatus*' sp. n. (Trematoda: Notocotylidae). *J. Parasitol.* 52:26-28.

Geographical area(s): BERS

Biology:

pathology

Ray, C., & W. E. Schevill. 1974. Feeding of a captive gray whale, '*Eschrichtius robustus*'. *Mar. Fish. Rev.* 36(4):31-38.

Geographical area(s): N/S

Ecology:

feeding, behavior

Biology:

physiology

Ray, G. C. 1983. Strategies for conservation of marine mammal critical habitat, p.84. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S

Ecology:

habitat

Subsistence Whaling:

management

Ray, G. C., & R. V. Miller. 1982. Critical habitats of marine mammals. Int. Counc. for the Explor. Sea, Marine Mammals Committee. C. M. 1982/N:7.

Geographical area(s): N/S

Ecology:

habitat

Subsistence Whaling:

management

Ray, G. C., & D. Wartzk. 1976. Analysis of marine mammal remote sensing data, pp.3-56. In: Environmental assessment of the Alaskan continental shelf, annual reports. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s):

Population Dynamics:

techniques

Abundance & Distribution:

distribution

Reagan, A. B. 1925. Whaling of the Olympic Peninsula Indians of Washington. Nat. Hist. 25:24-32.

Geographical area(s): NPAC

Subsistence Whaling:

subsistence whaling - historic

- * Reed, M., A. E. Bowles, E. L. Anderson, S. Leatherwood, M. Spalding, K. Jayko, H. Winn, & J. Geraci. 1984. Feasibility of dynamic models of the interaction of potential oil spills with bowhead and gray whales in the Bering, Chukchi and Beaufort Seas. Unpubl. rept. for MMS, AK Regional Office, Anchorage, AK, Contract no. 14-12-0001-30076. Wakefield, RI: Applied Science Assoc., Inc. (529 Main Street, Wakefield, RI 02879).

Geographical area(s): ARCT, BEAU, BERS, CHUK

Ecology:

behavior

Effects of Petroleum on Cetaceans:

models

Probability of Oil Spill Encounter:

models

Population Dynamics:

models, review

Commercial Whaling:

commercial whaling (historic)

Abundance & Distribution:

distribution, migration

Reetz, G. A. 1983. An overview of the Minerals Management Service Environmental Studies Program: Marine mammals studies, p.85. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): NPAC, N/S
 Abundance & Distribution:
 abundance, models
 Population Dynamics:
 models

Reeves, R. R. 1977. The problem of gray whale, 'Eschrichtius robustus', harassment: At the breeding lagoons and during migration. NTIS PB Rep. PB-272 506.

Geographical area(s): NPAC, MEXI
 Noise:
 disturbance
 Long Term Effects:
 abandonment of habitat, disturbance

Reeves, R. R. 1984. Modern commercial pelagic whaling for gray whales, pp.187-200. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, MEXI, CA,, GOAK
 Subsistence Whaling:
 conservation
 Commercial Whaling:
 historic commercial whaling

Reilly, S. B. 1980. Enumeration and dynamics of the California stock of gray whales. Abstract, U. S. Gray Whale Research Meeting, NOAA, NMFS, Nat. Mar. Mammal Lab., 4-5 September 1980, Seattle, WA.

Geographical area(s):

Reilly, S. B. 1981a. Gray whale population history: A simulation, p.97. In: Abstracts, Fourth Biennial Conference on the Biology Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): N/S
 Population Dynamics:
 review

- * Reilly, S. B. 1981b. Population assessment and population dynamics of the California gray whale, 'Eschrichtius robustus'. Ph.D. dissertation, Univ. WA, Seattle.

Geographical area(s): N/S

Abundance & Distribution:

abundance, review, migration,
techniques

Ecology:

techniques, life history

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Population Dynamics:

recruitment, techniques, stock assessment

Commercial Whaling:

historic commercial whaling

- * Reilly, S. B. 1984a. Assessing gray whale abundance: A review, pp.203-223. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds, The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): N/S, NPAC, CHUK, MEXI, GOAK, BERS

Abundance & Distribution:

abundance, review, techniques,
migration

Population Dynamics:

review

- * Reilly, S. B. 1984b. Observed and maximum rates in increase in gray whales, 'Eschrichtius robustus'. Rept. Int. Whaling Comm. Special Issue no. 6:389-399.

Geographical area(s): NPAC, CA

Biology:

reproduction

Abundance & Distribution:

abundance

Population Dynamics:

mortality, techniques, recruitment

Ecology:

life history

Reilly, S. B., D. W. Rice, & A. A. Wolman. 1979. Gray whale - Population assessment from Monterey, CA. censuses, p.50. In: Abstracts, Third Biennial Conference on the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, CA

Abundance & Distribution:

abundance, techniques

Reilly, S. B., D. W. Rice, & A. A. Wolman. 1980. Preliminary population estimate for the California gray whale based on Monterey Shore censuses 1967-1968 to 1978-79. Rept. Int. Whaling Comm. 39:359-368 (SC/31/DOC 37).

Geographical area(s): NPAC, CA, N/S

Abundance & Distribution:

abundance, migration

Population Dynamics:

recruitment

Biology:

reproduction

- * Reilly, S. B., D. W. Rice, & A. A. Wolman. 1983. Population assessment of gray whale, '*Eschrichtius robustus*', from California shore censuses, 1967-1980. Fish. Bull. 81(2): 267-281.

Geographical area(s): NPAC, CA

Abundance & Distribution:

abundance, migration

Population Dynamics:

stock assessment, techniques, recruitment

Reyersbach de Haan, F. W. 1957. Hearing in whales. Acta Oto-larungologica Supplementum 134. From Univ. Utrecht Otolaryngological Dept.

Geographical area(s): N/S

Biology:

physiology, anatomy

Rezanov, G. M. 1981. Data on the spatial structure and sex composition of the groups of the gray whales on the feeding grounds, pp.99-100. In: Scientific study on marine mammals in the northern part of the Pacific Ocean in 1980-1981. Proj. 02-05-61. Moscow: VNIRO.

Geographical area(s): BERS, CHUK

Ecology:

behavior, feeding

Abundance & Distribution:

distribution

Rice, D. W. 1961. Census of the California gray whale, 1959/1960. Nor. Hvalfangst Tid. 50:219-225.

Geographical area(s): NPAC, CA

Abundance & Distribution:

abundance, recruitment, techniques

Population Dynamics:

recruitment, techniques

Rice, D. W. 1964. Report on gray whales collected under special scientific permit No. 1964-1. Int. Whaling Comm., 16th Annual Meeting.

Geographical area(s):
 Subsistence Whaling:
 whaling (recent)
 Biology

Rice, D. W. 1965. Offshore southward migration of gray whales of southern California. J. Mammal. 46:504-505.

Geographical area(s): NPAC, CA
 Abundance & Distribution:
 migration, abundance
 Noise:
 surface vessels
 Ecology:
 behavior
 Long Term Effects:
 changes in migration

Rice, D. W. 1966. Growth and reproduction in gray whales. 18th Annual Meeting, June 1966, Int. Whaling Comm., North Pacific Working Group, Meeting, 16-17 June 1966.

Geographical area(s): N/S
 Biology:
 growth, reproduction

Rice, D. W. 1967. Cetaceans, pp.291-324. In: S. Anderson & J. K. Jones, eds., Recent mammals of the world. New York: Ronald Press.

Geographical area(s): NPAC, MEXI, GOAK, BERS, CHUK, CANA
 Biology:
 taxonomy, morphology
 Ecology:
 behavior

Rice, D. 1970. Long distance swimmers of the east Pacific gray whales. Pacific Search 4(8): 2-3.

Geographical area(s): NPAC, MEXI, CA, BERS, CHUK
 Ecology:
 behavior, feeding, life history
 Abundance & Distribution:
 abundance, distribution, migration

Subsistence Whaling:
 subsistence whaling - historic
 Biology:
 pathology
 Commercial Whaling:
 historic commercial whaling

Rice, D. W. 1972. Gray whale. In: A. Seed, comp., Baleen whales of the eastern North Pacific and Arctic waters. Seattle: Pacific Search.

Geographical area(s): NPAC, BERS, CHUK
 Ecology:
 feeding
 Biology:
 growth, morphology, reproduction

Rice, D. W. 1974. Whales and whale research in the eastern North Pacific pp.170-195. In: W. E. Schevill, ed., The whale problem: A status report, Univ. Cambridge, MA: Harvard Univ. Press.

Geographical area(s):

Rice, D. W. 1975. Status of the eastern Pacific (California) stock of the gray whale. Scientific Consultation on Marine Mammals, FAO/ACMRR/MM/SC/14. Int. Whaling Comm., Annual Meeting, June 1975 (SC/27/Doc 21).

Geographical area(s): NPAC
 Population Dynamics:
 stock assessment
 Abundance & Distribution:
 abundance

Rice, D. W. 1977. A list of marine mammals of the world. NOAA Tech. Rept. NMFS SERF - 711. NOAA, NMFS.

Geographical area(s): N/S
 Biology:
 taxonomy
 Abundance & Distribution:
 distribution

Rice, D. W. 1978. Gray whale, pp.55-61. In: D. Haley, ed., Marine mammals. Seattle, WA: Pacific Search Press.

Geographical area(s): NPAC, MEXI, CA, WA, GOAK, BERS
 Biology:
 growth, physiology, reproduction
 Subsistence Whaling:

whaling (recent)
 Abundance & Distribution:
 distribution, migration
 Population Dynamics
 Ecology:
 behavior
 Commercial Whaling:
 historic commercial whaling

Rice, D. W. 1983. Gestation period and fetal growth in the gray whale and other mysticetes. Rept. Int. Whaling Comm. 33: 539-544.

Geographical area(s): N/S
 Biology:
 reproduction, growth

Rice, D. W. 1984. 1972-73 studies on the gray whale by the National Marine Fisheries Service. Rept. Int. Whaling Comm. 24:177-184 (SC/25/24).

Geographical area(s): N/S

Rice, D. W., & A. A. Wolman. 1967. The gray whale: Age, growth, reproduction, and annual cycle. Int. Whaling Comm., 19th Annual Meeting, June 1967.

Geographical area(s):
 Biology:
 life history, growth, reproduction

- * Rice, D. W., & A. A. Wolman. 1971. The life history and ecology of the gray whale, '*Eschrichtius robustus*'. Amer. Soc. Mammal. Spec. Publ. no. 3.

Geographical area(s): NPAC, BERS, CHUK, BEAU
 Ecology:
 behavior, feeding, habitat,
 life history, techniques
 Biology:
 morphology, pathology, reproduction,
 taxonomy, growth
 Population Dynamics:
 stock assessment, techniques, mortality,
 recruitment, population structure
 Abundance & Distribution:
 abundance, distribution, review
 Subsistence Whaling:
 subsistence whaling

Commercial Whaling:
historic commercial whaling

Rice, D. W., & A. A. Wolman. 1982. Whale census in the Gulf of Alaska, June to August 1980. Int. Whaling Comm. SC/33/07.

Geographical area(s): NPAC, AK, GOAK
Abundance & Distribution:
distribution, abundance

Rice, D. W., A. A. Wolman, D. E. Withrow, & L. A. Fleischer. 1981. Gray whales on the winter grounds in Baja, California. Rept. Int. Whaling Comm. 31:477-493.

Geographical area(s): NPAC, MEXI
Abundance & Distribution:
abundance, distribution

Rice, D. W., A. A. Wolman, & D. E. Withrow. 1983. Distribution and numbers of gray whales on their winter grounds. Seattle, WA: NOAA, NMFS, National Marine Mammal Lab., Northwest & AK Fisheries Center.

Geographical area(s): MEXI, NPAC
Abundance & Distribution:
abundance, distribution

* Rice, D. W., A. A. Wolman, & H. W. Braham. 1984. The gray whale, '*Eschrichtius robustus*'. Mar. Fish Rev. 46(4): 7-14.

Geographical area(s): NPAC, BERS, CHUK, GOAK, N/S
Biology:
reproduction
Abundance & Distribution:
distribution, abundance, migration
Subsistence Whaling:
subsistence whaling - historic, whaling (recent), management
Ecology:
life history, feeding, behavior
Population Dynamics:
stock assessment, mortality, review
Noise:
surface vessels, disturbance
Commercial Whaling:
disturbance

- * Richardson, W. J., C. R. Greene, J. P. Hickie, & R. A. Davis.
1983a. Effects of offshore petroleum operations on cold water marine mammals: A literature review. Prepared for American Petroleum Inst., Environmental Affairs Dept., Washington, D.C.

Geographical area(s): N/S

Effects of Petroleum on Cetaceans:

avoidance, detection, external contact,
ingestion, inhalation

Contaminants:

drilling muds

Noise:

aircraft, helicopter, dredging,
explosions, surface vessels, seismic

Ecology:

sounds, behavior

Long Term Effects:

disturbance, changes in migration

- Ridgeway, S. H. 1972. Mammals of the sea: Biology and medicine. Springfield, MA: C. C. Thomas.

Geographical area(s): NPAC, BERS, CHUK, BEAU

Ecology:

feeding, life history, behavior

Abundance & Distribution:

abundance, distribution

- Risting, S. 1928. Whales and whale fetuses. Cons. Perm. Int. Explor. Mer. Proc.-Verb. Reun 50:1-122.

Geographical area(s): NPAC, BERS, N/S

Biology:

growth, reproduction, physiology,
morphology

Ecology:

life history

- Risting S. 1931. The development of modern whaling. Int. Whaling Stat. (Oslo) 2:4-15.

Geographical area(s): NPAC

Commercial Whaling:

historic commercial whaling

- Rowntree, V. 1983. Observations on feeding and distribution of whale-lice, 'Cyamidae', p.88. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S

Biology:

pathology

Rugh, D. J. 1980. Gray whale research report, 1979/80.

Letter submitted to the U. S. Gray Whale Research Meeting.

NOAA, NMFS, Nat. Mar. Mammal Lab., 4-5 September 1980,

Seattle, WA.

Geographical area(s):

Rugh, D. 1981. Fall gray whale census at Unimak Pass, Alaska

1977-79, p.100. In: Abstracts, Fourth Biennial Conference on

the Biology of Marine Mammals, 14-18 December 1981, San

Francisco, CA.

Geographical area(s): BERS, NPAC, GOAK

Abundance & Distribution:

migration, distribution, abundance

- * Rugh, D. J. 1984. Census of gray whales in Unimak Pass, Alaska, November-December 1977-1979, pp.225-248. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): BERS, GOAK

Abundance & Distribution:

abundance, distribution, techniques

Population Dynamics:

population structure, techniques

Rugh, D. J., & H. W. Braham. 1979. California gray whale

('Eschrichtius robustus') fall migration through Unimak Pass,

Alaska, 1977: A preliminary report. Rept. Int. Whaling Comm.

29:315-320 (SC/30/Doc 46).

Geographical area(s): NPAC, AK, BERS

Abundance & Distribution:

migration, abundance

Ecology:

behavior

- * Rugh, D. J., & M. A. Fraker. 1981. Gray whale, 'Eschrichtius robustus', sightings in eastern Beaufort Sea. Arctic 34(2): 186-187.

Geographical area(s): BEAU

Abundance & Distribution:

migration, distribution

Ecology:
feeding

Ruud, J. T. 1942. A review of the investigations on whales and whaling in recent years. Int. Whal. Stat. (Oslo) 16:67-77.

Geographical area(s): NPAC
Commercial Whaling:
historic commercial whaling

Ruud, J. T. 1945. Further studies on the structure of the baleen plates and their application to age determination. Nor. Hvalfangst Tid. 8(6): 120-171.

Geographical area(s): N/S
Biology:
physiology, techniques

Ryan, P. R. 1978. Marine mammals: A guide for readers. Oceanus 21(2): 9-16.

Geographical area(s): N/S
Subsistence Whaling:
management, whaling (recent)

Samaras, W.F. 1974. Reproductive behavior of the gray whale, 'Eschrichtius robustus', in Baja California. Bull. South CA Acad. Sci. 73:57-63.

Geographical area(s): NPAC
Biology:
reproduction
Population Dynamics:
distribution
Ecology:
behavior

- * Saprnov, V. D. 1985. Whaling and nutritional needs of the aboriginal population of Chukotka Peninsula. Arct. Pol. Rev. 3(3): 5-8.

Geographical area(s): BERS, CHUK
Subsistence Whaling:
whaling (recent)

Sauer, E. G. F. 1963. Courtship and copulation of the gray whale in the Bering Sea at St. Lawrence Island, Alaska. Psychol. Forsch 37:157-174.

Geographical area(s): BERS

Ecology:

behavior

Biology:

individual identification, reproduction

Sayers, H. 1984. Shore whaling for gray whales along the coast of the Californias, pp.121-157. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, CA, MEXI

Commercial Whaling:

historic commercial whaling

- * Scammon, C. M. 1869. On the cetaceans of the western coast of North America. In: E. A. Cope, ed., Proc. Acad. Nat. Sci., Phila., 21:40-49.

Geographical area(s): NPAC

Ecology:

behavior, habitat

Abundance & Distribution:

distribution, review, migration

Subsistence Whaling:

subsistence whaling - historic

Biology:

morphology

Commercial Whaling:

historic commercial whaling

Scammon, C. M. 1870. On the lower California coast. Overland 4(3): 231.

Geographical area(s): NPAC, MEXI

- * Scammon, C. M. 1874. The marine mammals of the northwestern coast of North America; described and illustrated, together with an account of the American whale-fishery. San Francisco: John H. Carmany. Reprint. New York: Dover, 1968.

Geographical area(s): BEAU, BERS, CHUK, NPAC

Ecology:

behavior

Abundance & Distribution:

distribution, review, migration

Subsistence Whaling:

subsistence whaling - historic

Biology:

physiology, morphology

Commercial Whaling:
historic commercial whaling

Scammon, C. M. 1970. Journal aboard the Bark Ocean Bud on a whaling voyage to Scammon's Lagoon, winter of 1858-59. Edited & annotated by D. A. Henderson. Los Angeles: Dawson's Bookstore.

Geographical area(s): NPAC, MEXI
Commercial Whaling:
historic commercial whaling

Schafer, H. A., G. P. Hershelman, D. R. Young, & A. H. Mearns. 1983. Contaminants in ocean food webs, pp.17-28. In: W. Bascom, ed., Coastal Water Research Project: Biennial report for the years 1981 - 1982. Long Beach, CA: Southern CA Coastal Water Research Project.

Geographical area(s): NPAC, CA, N/S
Biology:
techniques
Contaminants:
trace metals, mercury

Scheffer, V. B., & J. W. Slipp. 1948. The whales and dolphins of Washington State with a key to the cetaceans of the west coast of North America. Am. Midl. Nat. 39:257-337.

Geographical area(s): NPAC
Subsistence Whaling:
subsistence whaling - historic
Abundance & Distribution:
migration
Commercial Whaling:
historic commercial whaling

Scheffer, V. B. 1975. The status of whales. Pac. Discovery 29(1): 3-8.

Geographical area(s): N/S
Population Dynamics:
review, management
Abundance & Distribution:
abundance
Subsistence Whaling:
management, whaling (recent), conservation

Scheffer, V. B. 1978. Introduction: Alaska's whales. AK Geogr., Alaska Whales and Whaling 5(4): 5-14.

Geographical area(s): NPAC, ARCT

Population Dynamics:
 management
 Ecology:
 life history, behavior
 Subsistence Whaling:
 whaling (recent)
 Commercial Whaling:
 historic commercial whaling

Schevill, W. E. 1952. On the nomenclature of the Pacific gray whale. *Breviora* 7:1-3.

Geographical area(s): N/S
 Biology:
 taxonomy

Schevill, W. E. Underwater sounds of cetaceans.

Geographical area(s): N/S
 Ecology:
 sounds

Schevill, W. E., C. Ray, K. W. Kenyon, R. T. Orr, & R. G. Van Gelder. 1967. Immobilizing drugs lethal to swimming mammals. *Science* 157:630-631.

Geographical area(s): N/S
 Biology:
 physiology

Schonewald, J., & I. Szczepaniak. 1971. Cetacean strandings along the central California coast, p.102. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, CA
 Ecology:
 strandings

Schultz, J., & C. Pyle. 1965. Cat bites whale. *Yachting* 118:48.

Geographical area(s):
 Biology

Science Applications, Inc. 1980. Environmental assessment of the Alaskan continental shelf: Comprehensive bibliography. Prepared for NOAA, Marine Pollution Assessment. Boulder, CO: SAI.

Geographical area(s): BERS, CHUK, BEAU, GOAK, NPAC

Scott, R. B. 1972. Barkley sound. Victoria, B. C.: Privately published.

Geographical area(s): NPAC, CANA

Population Dynamics:

review

Subsistence Whaling:

subsistence whaling - historic

Sease, J. L. 1985. Cruise report: Soviet-American walrus research cruise on the ZRS Zakharovo, Bering Sea, 14 November to 17 December 1984. Fairbanks, AK: Univ. AK, Dept. Wildlife & Fish.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

distribution

Severinghaus, N. C. 1979. Selected annotated references on marine mammals of Alaska. Environmental assessment of the Alaskan continental shelf: Final repts. of principal investigators, vol.19.

Geographical area(s): ARCT, BEAU, BERS, CHUK, GOAK, NPAC

Abundance & Distribution:

abundance, distribution, migration,
review

Population Dynamics:

recruitment, mortality, population structure,
techniques, stock assessment

Biology:

techniques, taxonomy, individual identification,
growth, physiology

Ecology:

life history, habitat, feeding, sounds

Shibusawa, K. 1939. Tosa Murota Ukitsugumi Hogeishiryō [Records of the Ukitsu Whaling Group, Tosa Muroto]. Vol. 36. Tokyo: Attigue Museum Iho.

Geographical area(s): NPAC, JAPA

Subsistence Whaling:

subsistence whaling - historic

Commercial Whaling:
historic commercial whaling

- * Simenstad, C. A., B. S. Miller, C. F. Nyblade, K. Thornburgh, & L. J. Bledsoe. 1979. Food web relationships for northern Puget Sound and the Strait of Juan de Fuca. Prepared for MESA Puget Sound Project, Seattle, WA, in partial fulfillment of EPA Interagency Agreement no. D6-E693-EN, Program element no. EHE625-A. Washington, D. C.: EPA, Office of Environmental Engineering & Technology.

Geographical area(s): NPAC, WA

Ecology:

feeding

Abundance & Distribution:

distribution, migration

Effects of Petroleum on Prey:

avoidance

- Sineti, D. 1978. Alaska's whales, A closer look. AK Geogr., Alaska Whales and Whaling 5(4): 55-133.

Geographical area(s): NPAC, GOAK, BERS, CHUK, BEAU

Biology:

morphology

Abundance & Distribution:

migration, abundance, distribution

- Sleptsov, M. M. 1955. Kitoovrannye dal'nevostochnykh morei [Cetaceans of Far Eastern Seas]. 2nd ed. Vladivostok: Primorskoe knizhnoe Izdatel'stvo.

Geographical area(s): NPAC, BERS, USSR

Commercial Whaling:

historic commercial whaling

- Sleptsov, M. M. 1961. O kolebanii chislennosti kitov v Chukotskom more v raznyye gody [Fluctuations in the number of whales of the Chukchi Sea in various years]. Tr. Inst. Morfol. Zhivotn. 34:54-64. (In Russian, Transl. by U.S. Naval Oceanography Office, Washington, D.C., 1970, Transl. 478).

Geographical area(s): CHUK, NPAC, BERS

Abundance & Distribution:

abundance, distribution, techniques

Ecology:

feeding

Sleptsov, M. M. 1970. Distribution of cetaceans in the sea of Japan [Rasprostranenie kitoobraznykh V Yaponskom More]. Noo-Trans-480. Trans. of Akademiya Nauk SSSR, Institut Morfologii Zhivotnykh, Trudy 34:93-110. (1961, by M. Slessers)

Geographical area(s): NPAC

Commercial Whaling:

historic commercial whaling

Abundance & Distribution:

review

Ecology:

habitat

Slijper, E. J. 1956. Some remarks on gestation and birth in cetacea and other aquatic mammals. Hvalrad. Skr. 41:1-62.

Geographical area(s):

Slijper, E. J. 1962a. Whales. London: Hutchinson & Co.

Geographical area(s): N/S

Biology:

anatomy, physiology, reproduction,
taxonomy

Ecology:

behavior, evolution, feeding

Abundance & Distribution:

distribution, migration

Slijper, E. J. 1962b. Whales and dolphins. Ann Arbor, MI: Univ. MI Press.

Geographical area(s): N/S

Biology:

morphology, physiology, taxonomy,
reproduction

Ecology:

behavior, sounds, feeding

Abundance & Distribution:

migration, distribution

* Slijper, E. J. 1979. Whales. 2nd ed. Ithaca, NY: Cornell Univ. Press.

Geographical area(s): N/S

Subsistence Whaling:

whaling (recent)

Biology:

anatomy, physiology, reproduction,
taxonomy

Ecology:

behavior, evolution, feeding
 Abundance & Distribution:
 distribution, migration

Smith, T. N., & E. A. Wahrenbrock. 1974. Ballistocardiography as a technique for comparative physiology. Mar. Fish. Rev. 36(4): 9-15.

Geographical area(s): N/S
 Biology:
 physiology, techniques

Spence, B. 1980. The story of whaling, harpooned.
 New York, NY: Crescent Books.

Geographical area(s): N/S
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)
 Commercial Whaling:
 historic commercial whaling

Spencer, M. P., A. W. Samuelson, W. Garrett, & T. C. Poulter.
 1967. Anatomical, physiological, and behavior studies of the gray whales of Laguna Ojo de Liebre, Baja California, Mexico. Presented at Simposio International Sobre, Lagunas Costeras, Mexico.

Geographical area(s): NPAC, MEXI
 Biology:
 anatomy, physiology
 Ecology:
 behavior

Sprague, J. G., N. B. Miller, & J.L. Sumich. 1978.
 Observations of gray whales in Laguana de San Quintin, northwestern Baja California, Mexico. J. Mammal. 59:425-427.

Geographical area(s): NPAC, MEXI

Squire, I. L. 1964. A bibliography of cetacea: Literature published between 1949 and 1963. NAVWEPS Rept. 8645, NOTS TP 3686. China Lake, CA: U.S. Naval Ordinance Test Station.

Geographical area(s): N/S
 Biology
 Population Dynamics

Subsistence Whaling

St. Aubin, D. J., & J. R. Geraci. 1981. A look at 'mysticetes' as oil filters, p.109. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
external contact, ingestion

St. Aubin, D. J., & J. R. Geraci. 1983. The problem of oil spills and cetaceans: An evaluation of perceived threats, p.60. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
ingestion, inhalation, external contact

* St. Aubin, D. J., R. H. Stinson, & J. R. Geraci. 1984. Aspects of the structure and composition of baleen and some effects of exposure to petroleum hydrocarbons. Can. J. Zool. 62(2): 193-198.

Geographical area(s): N/S
Biology:
physiology, histology
Effects of Petroleum on Cetaceans:
external contact, ingestion

St. Aubin, D. J., J. R. Geraci, T. S. Smith, and T. S. Friesen. 1985. How do bottlenose dolphins, (*Tursiops truncatus*), react to oil films under different light conditions. Can. J. Fish. Aquat. Sci. 42:430-436

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
avoidance, detection, external contact

Starbuck, A. [1878] 1964. History of the American whaling fishery from it's earliest inception to the year 1876. Washington, D.C. Facsimile ed., with preface by Stuart C. Sherman. 2 vols. New York: Argosy-Antiquarian, Ltd.

Geographical area(s): NPAC
Commercial Whaling:
historic commercial whaling

Starks, E. C. 1922. A history of the California shore whaling. CA State Fish & Game Comm. Fish. Bull. 6:1-38.

Geographical area(s): NPAC, CA
Commercial Whaling:
historic commercial whaling

Stewart, B. S., P. K. Yochem, S. A. Karl, S. Leatherwood, & J. L. Leake. 1985. Aerial surveys of the former Akutan, Alaska, whaling grounds. Unpubl. ms. submitted to Arctic by Hubbs-Marine Research Inst.

Geographical area(s): BERS, GOAK
Abundance & Distribution:
abundance, distribution
Commercial Whaling:
historic commercial whaling

Stirling, M. W. 1945. Indians of our North Pacific coast. Nat. Geogr. Mag. 87(1): 25-53.

Geographical area(s): NPAC
Subsistence Whaling:
subsistence whaling - historic

Stirling, D. 1968. A naturalist at Wickaninnish. Can. Audubon 30(5): 139-144.

Geographical area(s): NPAC, CANA
Ecology:
behavior, feeding
Abundance & Distribution:
distribution

Storro-Patterson, R. 1979. A preliminary calibration of aerial survey parameters with sighting performance, p.57. In: Abstracts, Third Biennial Conference on the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, MEXI
Abundance & Distribution:
techniques, abundance

Storro-Patterson, R. 1980a. Biological aspects of the eastern Pacific stock of gray whales, 'Eschrichtius robustus', pp.1-165. In: World Wildlife Fund, U.S. and I.U.C.N., Contact rept. Oakland, CA: World Wildlife Fund - I.U.C.N. Whale Center.

Geographical area(s): NPAC

Biology:

life history

Population Dynamics

Ecology

Storro-Patterson, R. 1980b. The hunt of gray whales by Alaskan Eskimos: A preliminary review. Int. Whaling Comm., Annual Meeting 1980 (SC/32/PS7).

Geographical area(s): BERS, CHUK, BEAU

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Storro-Patterson, R. 1981a. Biological aspects of the eastern Pacific stock of the gray whale, '*Eschrichtius robustus*', pp. 276-289. In: S. Kaza, ed., Background papers for workshop on international cooperation for conservation of gray whales. Oakland, CA: World Wildlife Fund- I.U.C.N. Whale Center.

Geographical area(s): N/S

Ecology:

life history

Population Dynamics

Storro-Patterson, R. 1981b. The California gray whale. Proceedings of Symposium on Whales: Past, present and future, Davis, CA.

Geographical area(s): NPAC, CA

Sullivan. 1976. Saving the gray and bowhead whales. House of Representatives Report no. 94-1574 to accompany H. R. 15445.

Geographical area(s): N/S

Population Dynamics:

management

Subsistence Whaling:

management

Sullivan, R. M. 1983. Observations of gray whales (*Eschrichtius robustus*) along northern California. J. Mammal. 64(4):689-692.

Geographical area(s): NPAC, CA

Abundance & Distribution:

migration

Sullivan, R. W., & W. J. Houck. 1979. Sightings and strandings of cetaceans from northern California. J. Mammal. 60:828-833.

Geographical area(s): NPAC, CA

Ecology:

strandings

Abundance & Distribution:

migration

Sumich, J. L. 1981a. Growth rates of subadult gray whales, 'Eschrichtius robustus', p.113. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): N/S

Biology:

growth

Sumich, J. L. 1981b. Swimming velocities, breathing patterns, and cost of transport in south migrating gray whales, 'Eschrichtius robustus', p.103. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, CA

Ecology:

energetics

Biology:

physiology

Abundance & Distribution:

migration

Sumich, J. L. 1982. Recent summer occurrences of gray whales ('Eschrichtius robustus') along the Oregon coast. Unpubl. ms. OR State Univ., Marine Sci. Center, Newport, OR.

Geographical area(s): NPAC, OR

Abundance & Distribution:

distribution

Sumich, J. L. 1983. Swimming velocities, breathing patterns, and estimated costs of locomotion in migrating whales, 'Eschrichtius robustus'. Can. J. Zool. 61:647-652

Geographical area(s): N/S

Ecology:

behavior, energetics

Biology:
physiology

Sund P. N. 1975. Evidence of feeding during migration and of an early birth of the California gray whale, 'Eschrichtius robustus'. J. Mammal. 56:265-266.

Geographical area(s): NPAC, CA

Biology:
reproduction

Ecology:
feeding

Abundance & Distribution:
migration

Sund, P. N., & J. L. O'Connor. 1974. Aerial observations of gray whales during 1973. Mar. Fish. Rev. 36(4): 11-52.

Geographical area(s): NPAC, CA

Abundance & Distribution:
migration, distribution

Swan, J. G. 1870. The Indians of Cape Flattery at the entrance to the Strait of Juan de Fuca, Washington Territory. Smithson. Contrib. Know. 16(8): 1-108.

Geographical area(s): NPAC

Biology

Subsistence Whaling:
subsistence whaling - historic

Swanson, E. A. 1956. Nootka and the California gray whale. Pac. NW Quart. 47:52-55.

Geographical area(s): NPAC, WA

Subsistence Whaling:
subsistence whaling - historic

Swartz, S. L. 1977. Field studies of the gray whale, 'Eschrichtius robustus', in Laguna San Ignacio, Baja California, Mexico. Rept. Mar. Mammal Comm., Washington,

Geographical area(s): NPAC, MEXI

Swartz, S. L., & M. L. Jones. 1980. Gray whales, 'Eschrichtius robustus', in Laguna San Ignacio and its near-shore waters during the 1979-1980 winter season. U.S. Gray Whale Research Meeting, NOAA, NMFS, Natl. Mar. Mammal Lab., 4-5 September 1980, Seattle, WA.

Geographical area(s):

Swartz, S. L. 1981. Cleaning symbiosis between topsmelt, 'Atherinops affinis', and gray whale, 'Eschrichtius robustus', in Laguna San Ignacio, Baja California Sur, Mexico. Fish. Bull 79(2): 360.

Geographical area(s): NPAC, MEXI

Biology:

pathology

Swartz, S. L., & M. K. Bursk. 1979. Gray whales of Laguna San Ignacio: After two years. Whalewatcher 13(1): 7-9.

Geographical area(s): NPAC, MEXI

Biology

Population Dynamics

Swartz, S. L., & W. C. Cummings. 1978. Gray whales, 'Eschrichtius robustus', in Laguna San Ignacio, Baja California, Mexico. Report no. MMC-77-04. Final rept. to U. S. Marine Mammal Commission, Contract no. MM7AC008. San Diego: Natural History Museum.

Geographical area(s): NPAC, MEXI

Ecology:

behavior, sounds

Abundance & Distribution:

distribution, abundance

Noise:

surface vessels, disturbance

Biology:

reproduction, individual identification

Population Dynamics:

mortality, management

Swartz, S. L., & M. L. Jones. 1979a. Population studies of breeding gray whales, 'Eschrichtius robustus', in Laguna San Ignacio, Baja California, Mexico, p.59. In: Abstracts, Third Biennial Conference on the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance, distribution

Biology:

reproduction

Ecology:

habitat, behavior

Swartz, S. L., & M. L. Jones. 1979b. The evaluation of human activities on gray whales, '*Eschrichtius robustus*', in Laguna San Ignacio, Baja California, Mexico. NTIS PB 289737.

Geographical area(s): NPAC, MEXI

Noise:

surface vessels, disturbance

Ecology:

behavior

Swartz, S. L., & M. L. Jones. 1980a. Gray whales, '*Eschrichtius robustus*', during the 1977-1978 and 1978-1979 winter seasons in Laguna San Ignacio, Baja California Sur, Mexico. NTIS rept. no. PB 80-202989.

Geographical area(s): NPAC, MEXI

Ecology:

life history, behavior, habitat

Noise:

disturbance

Biology:

reproduction

Abundance & Distribution:

abundance, distribution

Population Dynamics:

mortality

Swartz, S. L., & M. L. Jones. 1980b. Preliminary report on gray whales, '*Eschrichtius robustus*', during the 1980 winter season in Laguna San Ignacio, Baja California Sur, Mexico. Int. Whaling Comm., Annual Meeting (SC/32/PS 15).

Geographical area(s): MEXI, NPAC

Swartz, S. L., & M. L. Jones. 1981a. Annual gray whale, '*Eschrichtius robustus*', population size and calf production in Laguna San Ignacio, p.114. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance, distribution

Ecology:

behavior

Biology:

individual identification, reproduction

Swartz, S. L., & M. L. Jones. 1981b. Demographic studies and habitat of gray whales, '*Eschrichtius robustus*', in Laguna San Ignacio, Baja California Sur, Mexico. Int. Whaling Comm., Annual Meeting (SC/33/PS12). (NTIS PB82-123373.)

Geographical area(s): MEXI, NPAC

Ecology:

life history, habitat, life history

Abundance & Distribution:

abundance, distribution

Population Dynamics:

mortality

Biology:

reproduction

Long Term Effects:

disturbance

Swartz, S. L., & M. L. Jones. 1983. Gray whale, '*Eschrichtius robustus*', calf production and mortality in the winter range. Rept. Int. Whaling Comm. 33:504-508.

Geographical area(s): NPAC, MEXI

Biology:

reproduction

Population Dynamics:

mortality, recruitment

Swartz, S. L. and M. L. Jones. 1984. Mothers and calves. Oceans 17(2):11-19.

Geographical area(s): NPAC, MEXI

Biology:

reproduction

Swartz, S. L., & M. L. Jones. n.d. Gray whales in Laguna San Ignacio and its nearshore waters during the 1979-1980 winter season. Final tech. rept. to World Wildlife Fund, U.S., Washington, D. C.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance, distribution

Ecology:

behavior, habitat, life history

Population Dynamics:

mortality

Biology:

reproduction

Sweeney, J. C., & J. L. Mattsson. 1974. Surgical attachment of a telemetry device to the dorsal ridge of a yearling California gray whale, '*Eschrichtius robustus*'. Mar. Fish. Rev. 36(4):20-22.

Geographical area(s): N/S
Biology:
 physiology, techniques

Tada, H. 1978. Meijiki Yamaguchiken Hogeishi no Kenkyu [Studies of whaling history in Yamaguchi Prefecture in Meiji Period]. Matsuno Shoten, Tokuyama, Yamaguchi Prefecture.

Geographical area(s): NPAC, JAPA
Subsistence Whaling:
 subsistence whaling - historic
Commercial Whaling:
 historic commercial whaling

Thomas, B. H. 1984. Project rationale, design and summary, pp.1-13. In: D. H. Thomson, ed., Feeding ecology of gray whales '*Eschrichtius robustus*', in the Chirikof Basin, summer 1982. Final rept. for NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program, Anchorage, AK. LGL Alaska Research Assoc., Inc.

Geographical area(s): BERS
Ecology:
 feeding, behavior

Thompson, T. J., H. E. Winn, & P. J. Perkins. 1979. Mysticete sounds, pp. 403-431. In: H. E. Winn & B. L. Olla, eds., Cetaceans, vol.3 of Behavior of marine animals. NY: Plenum Press.

Geographical area(s): N/S
Ecology:
 sounds

Thomson, D. H. 1984a. Distribution, production, and ecology of gray whale prey species, pp.15-74. In: D. H. Thomson, ed., Feeding ecology of gray whales, '*Eschrichtius robustus*', in the Chirikof Basin, summer 1982. Final report for NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program Anchorage, AK. LGL Alaska Research Assoc., Inc.

Geographical area(s): BERS
Ecology:

feeding, ecology

- * Thomson, D. H. (ed) 1984b. Feeding ecology of gray whales, 'Eschrichtius robustus', in the Chirikof Basin, summer 1982. Final rept. for NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program, Anchorage, AK.

Geographical area(s): BERS

Ecology:

behavior, feeding, habitat

Abundance & Distribution:

abundance, distribution

Biology:

physiology

Thomson, D. H., & L. R. Martin. 1984. Feeding ecology of gray whales in the Chirikof Basin, pp.145-222. In: D. H. Thomson, ed., Feeding ecology of gray whales, 'Eschrichtius robustus', in the Chirikof Basin, summer 1982. Final rept. for NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program, Anchorage, AK. LGL Alaska Research Assoc., Inc.

Geographical area(s): BERS

Ecology:

feeding

Tillman, M. F. 1977. Progress report on gray and bowhead whale research. Paper prepared for US-USSR meeting, January 1977, LaJolla, CA. (Avail. NOAA, NMFS, Northwest & AK Fisheries Center, National Marine Mammal Lab., 7600 Sand Point Way NE, Seattle, WA 98115.)

Geographical area(s): BERS, BEAU, CHUK

Subsistence Whaling:

management, whaling (recent)

Tillman, M. F. 1981. Letter regarding cessation of funding for gray whale research at the National Marine Mammal Laboratory, beginning year 1982. NOAA, NMFS, Nat. Mar. Mammal Lab.

Geographical area(s):

Tomilin, A. G. 1937a. Gray whales in the lagoons of eastern shore in the middle of the Bering Sea. Priroda 7:132-6.

Geographical area(s): BERS

Abundance & Distribution:
distribution
Ecology:
behavior

Tomilin, A. G. 1937b. Kity Dal'nego Vostoka [Whales of the Far East]. In Russian with English summary. Uchenye Zapiski Moskovskogo Gosudarstvennogo Universiteta, Ser. Biol. Nauk. 12:119-167.

Geographical area(s): NPAC
Biology
Population Dynamics

Tomilin, A. G. 1946. Toward the question of cetacean lactation and feeding. Byull, Mosk. O-Va. Ispyt. Prir., Otd. Biol. 51(4-5): 44-45.

Geographical area(s): N/S
Ecology:
feeding
Biology:
physiology, reproduction

Tomilin, A. G. 1954. Adaptive types in the order of cetacea: The problem of an ecological classification of cetacea. Zooligi - cheski Zhurnal 33(3): 677-692 (transl. Bureau of Translation, Foreign Language Div., Dept. Secretary of State of Canada [1957]).

Geographical area(s): N/S
Biology:
taxonomy

Tomilin, A. G. 1955. On the behavior and sonic signaling of whales, pp.28-47. In: Trudy Instituta Okeanologii Akad. Nauk SSSR, vol. 18. Fish. Res. Board Can. Transl. Series no. 377.

Geographical area(s): N/S
Ecology:
behavior, feeding, sounds
Biology:
physiology, pathology

- * Tomilin, A. G. 1957. Kitoobraznye (Cetacea). Zveri SSSR i prilozhashchikh stran [Mammals of the USSR and adjacent countries], vol. 9. Moskva: Izd. Akad. Nauk SSSR. (In Russian, transl. by Israel Program Sci. Transl., 1967, Avail. NTIS, Springfield, VA as TT 65-50086).

Geographical area(s): BEAU, CHUK, BERS, NPAC

Ecology:

behavior, life history, feeding,
habitat, sounds

Population Dynamics:

stock assessment, recruitment, review

Biology:

taxonomy, growth, physiology,
histology, morphology, pathology, reproduction

Subsistence Whaling:

subsistence whaling

Abundance & Distribution:

migration, distribution, abundance

Commercial Whaling:

historic commercial whaling

Tonnessen, J. N. 1967. Den moderne hvalfangst historie. Vol.2
of Norges Hvalfangstforbund, Sandefjord.

Geographical area(s): NPAC, MEXI

Commercial Whaling:

historic commercial whaling

Townsend, C. H. 1887. Present condition of the California
gray whale fishery. Bull. U.S. Fish Comm. 6:340-350.

Geographical area(s): NPAC, BERS, CHUK

Abundance & Distribution:

review

Ecology:

behavior, feeding, life history

- * Townsend, C. H. 1935. The distribution of certain whales as
shown by logbook records of American whaleships.
Zoologica 19(1): 1-50.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, review

Commercial Whaling:

historic commercial whaling

Treacy, S. D. 1985. Responses of endangered gray and humpback
whales to offshore industrial activities. (In) Proceedings,
First Annual Alaska OCS Regional Information Transfer Meeting,
29-31 May, 1985. MMS Contract No. 14-12-0001-30195.

Geographical area(s): NPAC, CA

Noise:

disturbance, drilling, helicopter,
seismic

Long Term Effects:
 changes in migration
 Ecology:
 behavior
 Abundance & Distribution:
 migration

Treshchev, V. V., M. V. Yurakhno, & V. V. Zimushko. 1969.
 O gel'mintofaune serogo kita Beringgova i Chutoskoogo morei
 [The helminth fauna of the gray whale inhabiting the Bering
 and Chukchi Seas], pp.130-131. In: V. A. Vodianitskii, ed.,
 Voprosy morskoi biologii. Kiev: Akad. Nauk. Urk. SSSR.

Geographical area(s): BERS, CHUK
 Biology:
 pathology

Trower, P. 1972. B. C. whaling: The white man. Raincoast
 Chronicles 1(2): 41-46.

Geographical area(s): NPAC, CANA
 Subsistence Whaling:
 whaling (recent)
 Commercial Whaling:
 historic commercial whaling

True, F. W. 1904. The whalebone whales of the western North
 Atlantic. Smithson. Contrib. Know. 33:1-332.

Geographical area(s): ATLA, NPAC
 Biology:
 taxonomy, morphology

Turner, L.M. 1886. Contributions to the natural history of
 Alaska. Washington, D.C.: GPO.

Geographical area(s):
 Biology

United States Coast Guard. 1975. Report of the damage and
 subsequent repairs to the USCGC Flagstaff (WPBH-1) following
 a collision with a submerged whale on 21 January 1975.
 U.S. Coast Guard Report.

Geographical area(s): NPAC, CA
 Noise:
 surface vessels
 Population Dynamics:
 mortality

United States District Court for the District of Alaska. 1983.
 Village of False Pass, et al. vs. James G. Watt, et al.
 U.S. District Court for the District of AK No.
 A 83-176 Civil.

Geographical area(s): BERS

United States. 1976. Public law 94-532, 18 Oct. 1976: An
 act to study and provide enhanced protection for whales, and
 for other purposes. Washington, D. C.: GPO.

Geographical area(s): N/S
 Subsistence Whaling:
 management

United States Congress. House. Committee on Merchant Marine
 and Fisheries. Saving the gray and bowhead whales: Report to
 accompany H. R. 15445. 94th Cong., 2nd sess., 1976. Rept. no.
 94-1574. Washington, D. C.: GPO.

Geographical area(s): NPAC, N/S
 Subsistence Whaling:
 management

Van Arsdell, J. 1972. B. C. whaling: The Indians.
 Raincoast Chronicles 1(1): 14-22.

Geographical area(s): NPAC, CANA
 Subsistence Whaling:
 subsistence whaling - historic

Van Deinse, A. B., & A. C. Junge. 1937. Recent and older
 finds of California gray whale in the Atlantic. Temminckia
 2:161-188.

Geographical area(s): NATL
 Biology:
 taxonomy
 Ecology:
 evolution
 Subsistence Whaling:
 anthropology

Vargas, J. 1981. History of the gray whale in Mexico, pp.257-
 275. In: S. Kaza, ed., Background papers for workshop on
 international cooperation for conservation of gray whales.
 Oakland, CA: World Wildlife Fund- U.S., I.U.C.N. Whale Center.

Geographical area(s): NPAC, MEXI
 Abundance & Distribution:
 review

Villa-Ramírez, B. 1975. Las ballenas grises de Baja California. Bioconservación y Supervivencia 1(1): 8-12.

Geographical area(s):
 Population Dynamics
 Biology

Von Ditmar, K. 1890 (-1900). Reisen und Aufenthalt in Kamchatka in den Jahren: 1851-1855. 2 vols. St. Petersburg: Academy Science.

Geographical area(s): BERS, NPAC, USSR
 Population Dynamics:
 review
 Biology:
 taxonomy

Votrogov, L. M., & L. S. Bogoslovskaya. 1980. Gray whales off the Chukotka Peninsula. Rept. Int. Whaling Comm. 30: 435-447 (SC/31/55).

Geographical area(s): BERS, CHUK, NPAC
 Abundance & Distribution:
 abundance, distribution

Wahl, T. R. 1977. Sight records of some marine mammals offshore from Westport, Washington. The Murrelet (Spring 1977):21-23.

Geographical area(s): NPAC, WA
 Abundance & Distribution:
 distribution

Wahrenbrock, E. A., G. F. Maruschak, R. Elsner, & D. W. Kenney. 1974. Respiration and metabolism in two baleen whale calves. Mar. Fish. Rev. 36(4): 3-9.

Geographical area(s): N/S
 Biology:
 physiology, techniques, growth

Walker, L. M. 1949. Nursery of the gray whales. Nat. Hist. 58(6): 248-256.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance

Ecology:

feeding, behavior, habitat

Commercial Whaling:

historic commercial whaling

Biology:

growth, reproduction

Walker, T. J. 1962. Whale primer. San Diego: Cabrillo Historical Assoc.

Geographical area(s): NPAC, N/S

Ecology:

behavior, evolution, feeding,

life history

Abundance & Distribution:

abundance, distribution

Subsistence Whaling:

subsistence whaling - historic

Commercial Whaling:

historic commercial whaling

Walker, T. J. 1971. The California gray whale comes back. Nat. Geogr. Mag. 139(3): 394-415.

Geographical area(s): NPAC, MEXI

Ecology:

feeding, behavior

Abundance & Distribution:

abundance

Waterman, T. T. 1920. The whaling equipment of the Makah Indians. Univ. Wash. Publ. Anthropol. 1:1-67.

Geographical area(s): NPAC

Subsistence Whaling:

subsistence whaling - historic

Watkins, W. A. 1982b. Current status of whale tagging. Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment, 25-29 January 1982, Anchorage, AK. The AK Eskimo Whaling Commission.

Geographical area(s): N/S

Ecology:

behavior

Abundance & Distribution:

migration

Watkins, W. A. 1985a. Sensory biophysics of marine mammals.
Mar. Mammal Sci. 1(3): 219-260.

Geographical area(s): N/S

Biology:

physiology

Ecology:

sounds

Watkins, W. A. 1985b. The use of radio tags in tracking large whales--A review of present knowledge. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S

Biology:

techniques

Wellington, G. M., & S. Anderson. 1978. Surface feeding by a juvenile gray whale, 'Eschrichtius robustus'. Fish. Bull 76(1): 290-293.

Geographical area(s): NPAC, N/S

Ecology:

behavior, feeding

- * Wells, P. G. 1981. Petroleum hydrocarbons and marine zooplankton. A background paper for the Nat. Acad. of Sci., Washington, D.C.

Geographical area(s): N/S

Effects of Petroleum on Prey

Wenz, G. M. 1964. Curious noises and the sonic environment of the ocean. In: W. N. Tavolga, ed., Marine bioacoustics. New York: MacMillan.

Geographical area(s): N/S

Ecology:

sounds

White, S. B. 1975. Population and behavioral patterns of gray whales wintering in Scammon's Lagoon. MS thesis, Colorado State Univ., Ft. Collins.

Geographical area(s): NPAC, MEXI

Abundance & Distribution:

abundance, migration

Ecology:
 behavior
 Biology:
 reproduction
 Noise:
 disturbance

White, S. B., & H. J. GRIESE. 1978. Notes on lengths, weights, and mortality of gray whale calves. J. Mammal. 59: 440-441.

Geographical area(s): NPAC
 Biology:
 physiology, growth
 Population Dynamics:
 mortality

White, P. D., & S. W. Matthews. 1956. Hunting the heart beat of a whale. Nat. Geogr. Mag. 110(1): 49-64.

Geographical area(s): NPAC
 Biology:
 physiology
 Ecology:
 behavior

Wilcox, W.A. 1895. Fisheries of the Pacific coast in 1893. Report of the Commissioner, U.S. Commission of Fish and Fisheries. Washington, D.C.: GPO.

Geographical area(s): NPAC, CA
 Commercial Whaling:
 commercial whaling (historic)

Wilke, F., & C. H. Fiscus. 1961. Gray whale observations. J. Mammal. 42:108-109.

Geographical area(s): NPAC, CHUK
 Ecology:
 behavior, feeding
 Abundance & Distribution:
 distribution, migration

Williamson, G. R. 1983. Counting and measuring baleen and ventral grooves of whales. Sci. Rep. Whales Res. Inst. 25: 279-329.

Geographical area(s): N/S
 Biology:
 morphology, taxonomy

- Wilson, T. C. 1982. Concurrent sexual behavior in three groups of gray whales, 'Eschrichtius robustus', during the northern migration off the central California coast. CA Fish & Game 68(1): 50-53.

Geographical area(s): NPAC, CA

Biology:

reproduction

Ecology:

behavior

- Wolfson, F. H. 1977. Gray whale behavior. Science 195(4278): 534-535.

Geographical area(s): NPAC, CA

Abundance & Distribution:

migration

Long Term Effects:

changes in migration

- Wolman, A. A. 1985. Gray whale pp 67-90 (In) S. H. Ridgway and R. Harrison (eds) Handbook of Marine Mammals, Vol. 3, The Sirenia and Baleen whales. Orlando, FL: Academic Press.

Geographical area(s): N/S

Biology:

morphology, pathology, physiology,

reproduction, taxonomy

Ecology:

behavior

Abundance & Distribution:

abundance, distribution

- Wolman, A. A., & D. W. Rice. 1979. Current status of the gray whale. Rept. Int. Whaling Comm. 29:275-279.

Geographical area(s):

- Wolman, A. A., & A. J. Wilson, Jr. 1970. Occurrence of in whales. Pestic. Monit. J. 41(1): 8-10.

Geographical area(s): NPAC, CA

Biology:

pathology

- Wursig, B. 1983. The question of dolphin awareness approached through studies in nature. Cetus 5(1): 4-7.

Geographical area(s): N/S

Biology:

physiology
Ecology:
behavior, feeding

Wursig, B., R. S. Wells, & D. A. Croll. 1984c. Behavior of summering gray whales, pp.109-144. In: D. H. Thomson, ed., Feeding ecology of gray whales, 'Eschrichtius robustus', in the Chirikof Basin, summer, 1982. Unpubl. final rept. for NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program, Anchorage, AK. LGL Alaska Research Associated, Inc.

Geographical area(s): BERS
Ecology:
behavior, feeding

Wursig, B., E. M. Dorsey, W. J. Richardson, C. W. Clark, & R. Payne. 1985b. Normal behavior of bowheads, 1980-84, pp.14-88. In: W. J. Richardson, ed., Behavior, disturbance responses and distribution of bowhead whales, 'Balaena mysticetus', Beaufort Sea, 1980-84. Prepared for MMS, Reston, VA, Contract no. 14-12-0001-29051. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU, CANA, AK
Ecology:
behavior, feeding, habitat, sounds
Biology:
physiology

- * Wyrick, R. F. 1954. Observations on the movements of the Pacific gray whale, 'Eschrichtius glaucus' (Cope). J. Mammal. 35:596-598.

Geographical area(s): NPAC
Ecology:
behavior
Noise:
surface vessels, explosions

Yablokov, A. V., & A. A. Berzin. 1978. Prospects of investigations of cetaceans. Translated from Biologiya Morya (Sov. J. Mar. Biol.) 5:3-13.

Geographical area(s): N/S
Ecology:
life history
Subsistence Whaling:
whaling (recent), management
Biology:

reproduction

- * Yablokov, A. V., & L. S. Bogoslovskaya. 1984. A review of Russian research on the biology and commercial whaling of the gray whale, pp.465-485. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): NPAC, KORE, OKHO, BERS, CHUK

Abundance & Distribution:

migration, distribution, abundance

Biology:

morphology, growth, reproduction

Subsistence Whaling:

conservation, whaling (recent)

Ecology:

feeding, behavior

Population Dynamics:

stock assessment

Commercial Whaling:

commercial whaling (historic)

- Yablokov, A. V., V. M. Bel'Kovich, & V. I. Borisov. 1972. Whales and dolphins, Pts. 1 & 2. Kity i Del'finy, Izd-vo Nauka, Moscow. (Translation: NTIS Rept. no. JPRS-62150-1).

Geographical area(s):

- Yoshihara, T. 1974. Kujira Gounjo Hikae niyoru Bakumatsu no Tosa niokeru Hoge nitsuite [On whaling in Kochi prefecture in the late Edo era, known from whale tax records]. Whales Res. Inst. Geiken Tsushin, Tokyo 278:77-84.

Geographical area(s): NPAC, JAPA

Subsistence Whaling:

subsistence whaling - historic

Commercial Whaling:

historic commercial whaling

- Zenkovich, B. A. 1934. Materialy k poznaniyu kitoobraznykh dal'nevostocknykh morei (Seryi Kaliforniiskii kit - 'Rhachianectes glaucus' Cope) [Research data on cetacea of Far Eastern seas (the gray California whale - 'Rhachianectes glaucus' Cope)]. Vestn, Akad Nauk SSSR, Dal'nevostochnyi Fil 10:9-25 (cited from Rice & Wolman, 1971, p.140).

Geographical area(s): BERS, USSR

Commercial Whaling:

historic commercial whaling

Zenkovich, B. A. 1935. Ectoparasites of a few of the great whales. Vestn. Dal'nevost. Fil. Akad. Nauk SSSR 113:117-122.

Geographical area(s): N/S

Biology:

pathology

Zenkovich, B. A. 1937. The food of Far-Eastern whales. C. R. (Doklady) Acad. Sci. URSS 16:231-234.

Geographical area(s): NPAC

Ecology:

feeding

Zenkovich, B. A. 1938a. Milk of the great whales. Dokl. Acad. Sci. USSR 20(2-3):205.

Geographical area(s): N/S

Biology:

physiology

Zenkovich, B. A. 1938b. Whale body temperatures. Dokl. Acad. Sci. USSR 18(9):685-687.

Geographical area(s): N/S

Biology:

physiology

Zenkovich, B. A. 1954. Vokrug sveta za kitami [Round the world after whales]. Izdatel'stvo Geographicheskoi Literaturg, Moscow 408pp.

Geographical area(s):

Zenkovich, B. A. 1956. Tagd auf Meeresriesen. Leipzig (-).

Geographical area(s):

Zettner, A. 1974. Some hematologic observations on the California gray whale. Mar. Fish. Rev. 36(4):22-24.

Geographical area(s): N/S

Biology:

physiology

Zhemkova, Z. P. 1965. On the origin of Cetacea [Oproiskhozhdenii Kitoobraznykh (Cetacea)]. [Zoologicheskii Zhurnal] Zoological Journal 44(10): 1546-1552. (Transl. by Fish. Res. Bd. Canada., 1971, Transl. Ser. (N.A.Z.) 1778).

Geographical area(s):

Zhirnov, L. V., A. A. Vinokurov, & V. A. Bychkov. 1975. Redkie mlekopitayushchie, ptitsy i ikh okhrana v SSSR [Rare mammals, birds and their protection in the USSR]. Moscow: Ministry of Agriculture. (In Russian, Chapt. 3, Marine Mammals, p.27-38 plus accompanying references, translated by Francis H. Fay, Univ. AK, Fairbanks, 1977).

Geographical area(s): BERS, BEAU, CHUK

Biology

Abundance & Distribution:

distribution, abundance, management

Subsistence Whaling:

management

Zimushko, V. V. 1969. Materials on the gray whale's reproduction, pp.24-28. In: Tezisy Dokl.- Vses. Soveshch. Izucheniya Morskikh Mlekopitayushchikh, 4th. Moskva: Nauka.

Geographical area(s): N/S

Biology:

reproduction

Zimushko, V. V. 1970a. Aerial visual censusing and observations on the distribution of gray whales in the inshore waters of Chukotka. Izv. Tinro 71:289-294.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

abundance, distribution

Zimushko, V. V. 1970b. Age determination of the gray whale, 'Eschrichtius robustus'. Izv. Tikhookean. Nauchno-Issled. Inst. Rybn. Khoz. Oceanogr. 71:265-299.

Geographical area(s): N/S

Biology:

physiology, morphology

Zimushko, V. V. 1970c. The determination of the yellow bodies traces on the ovaries in gray whale, 'Eschrichtius gibbosus' (Cetacea, Eschrichtiidae). Zool. Zh. 49:1073-1080.

Geographical area(s): N/S

Biology:

reproduction, physiology

Zimushko, V. V. 1970d. To the problem on the rudiments of the gland in gray whale. Izv. Tikhookean. Nauchno-Issled. Inst. Rybn. Khoz. Okeanogr. 74:341-343.

Geographical area(s): N/S

Biology:

physiology, morphology

Zimushko, V. V. 1970e. Toward the question of determining gray whale age ('Eschrichtius gibbosus'). Izv. Tinro 71:295-299.

Geographical area(s): N/S

Biology:

physiology, techniques

Zimushko, V. V. 1972a. Materials on the gray whales' reproduction. Tr. Alant NIRO 39:44-53.

Geographical area(s): N/S

Biology:

reproduction, physiology

Zimushko, V. V. 1972b. On the morphology of the gray California whale, pp.172-177. In: Tezisy Vses. Soveshch. Izucheniya Morskikh Mlekopitayuschchikh, 5th, pt. 1.

Geographical area(s): N/S

Biology:

morphology

Zimushko, V. V., & M. V. Ivashin. 1980. Some results of Soviet investigation and whaling of gray whales. Rept. Int. Whaling Comm. 19: 237-246 (SC/31/Doc19).

Geographical area(s): CHUK, BERS

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Zimushko, V. V., & S. K. Lenskaya. 1970. O pitanii serogo kita ('Eschrichtius gibbosus' Erx.) na mestakh nagula [Feeding of the gray whale ('Eschrichtius gibbosus' Erx.) at foraging grounds]. Akad. Nauk SSSR 1(3): 26-35.

Geographical area(s): BERS, CHUK

Ecology:

feeding

Abundance / Distribution: Abundance

ALASKA	RICE & WOLMAN 1982 RUGH & BRAHAM 1979
ARCTIC	AK GEOGR. 1979 BERZIN 1978b BURNS, J. J. 1984 FAO 1978 INT. WHALING COMM. 1982a SEVERINGHAUS 1979
ATLANTIC	HUBBS 1958
BEAUFORT SEA	AK GEOGR. 1979 ANONYMOUS 1978 BERZIN 1978b BRAHAM 1982a BRAHAM ET AL. 1977d BROOKS 1979 BURNS ET AL. 1981 BURNS, J. J. 1984 INT. WHALING COMM. 1982a LJUNGBLAD 1981 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d NOAA 1984 RICE & WOLMAN 1971 RIDGEWAY 1972 SEVERINGHAUS 1979 SINETI 1978 TOWNSEND 1935 ZHIRNOV ET AL. 1975
BERING SEA	AK GEOGR. 1979 ANONYMOUS 1978 ARSEN'YEV ET AL. 1973 BERZIN 1978b BERZIN 1984 BLOKHIN 1981 BRAHAM 1982a BRAHAM ET AL. 1977b BRAHAM ET AL. 1977c BRAHAM ET AL. 1977d BRAHAM ET AL. 1982 BROOKS 1979

BRUEGGEMAN 1983
BRUEGGEMAN ET AL. 1984
BURNS ET AL. 1981
BURNS, J. J. 1984
COWLES 1981b
DOROSHENKO 1981
FISCUS & BRAHAM 1980
FAO 1978
GILMORE 1960a
GILMORE 1960b
GUSEY 1979
GUSEY 1979b
HESSING 1983
HILLS & VALENTINE 1982
INT. WHALING COMM. 1982a
IVASHIN & MINEEV 1978
JONES ET AL. 1984
KINETIC LABORATORIES INC 1983
LEATHERWOOD ET AL. 1983
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LOWRY, FROST, ET AL. 1982
MILLER 1984
MINERALS MANAGEMENT SERV 1983b
MOORE ET AL. 1984b
NOAA 1984
OLIVER 1981
RAMSEY 1968
REILLY 1984a
RICE 1970
RICE & WOLMAN 1971
RICE ET AL. 1984
RIDGEWAY 1972
RUGH 1981
RUGH 1984
RUGH & BRAHAM 1979
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1961
STEWART ET AL. 1985
THOMSON 1984b
TOWNSEND 1935
VOTROGOV & BOGOSLOVSKAYA 1980

- YABLOKOV & BOGOSLOVSKAYA 1984
ZHIRNOV ET AL. 1975
ZIMUSHKO 1970a
- CALIFORNIA**
- ADAMS 1968
DOHL ET AL. 1981
FISCUS & NIGGOL 1965
HUBBS 1958
MALME ET AL. 1983b
MILES 1984
NMFS 1974
PATTEN & SARUBA 1979
POOLE 1984b
RAMSEY 1968
REILLY 1984b
REILLY ET AL. 1979
REILLY ET AL. 1980
REILLY ET AL. 1983
RICE 1961
RICE 1965
RICE 1970
- CANADA**
- DARLING 1978a
DARLING 1978b
DARLING 1979
HUDNALL 1981
- CHUKCHI SEA**
- AK GEOGR. 1979
ANONYMOUS 1978
ARSEN'YEV ET AL. 1973
BERZIN 1978b
BERZIN 1984
BERZIN & VLADIMIROV 1981
BLOKHIN 1979
BLOKHIN 1981
BRAHAM 1982a
BRAHAM ET AL. 1977c
BRAHAM ET AL. 1977d
BROOKS 1979
BURNS ET AL. 1981
BURNS, J. J. 1984
DAVIS & THOMSON 1984
DOROSHENKO 1981
FROST ET AL. 1983
GILMORE 1960b
INT. WHALING COMM. 1982a

IVASHIN & MINEEV 1978
JONES ET AL. 1984
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MOORE ET AL. 1984b
MOORE ET AL. 1985
NOAA 1984
NIKULIN 1946
OLIVER 1981
RAMSEY 1968
REILLY 1984a
RICE 1970
RICE & WOLMAN 1971
RICE ET AL. 1984
RIDGEWAY 1972
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1961
TOWNSEND 1935
VOTROGOV & BOGOSLOVSKAYA 1980
YABLOKOV & BOGOSLOVSKAYA 1984
ZHIRNOV ET AL. 1975
ZIMUSHKO 1970a

GULF OF ALASKA

AK GEOGR. 1979
BRAHAM & MERCER 1978
CONSIGLIERI & BRAHAM 1982
CONSIGLIERI ET AL. 1980
FISCUS ET AL. 1976
GUSEY 1979c
HESSING 1983
JONES ET AL. 1984
LEATHERWOOD ET AL. 1983
MERCER ET AL. 1977
NOAA 1984
REILLY 1984a
RICE & WOLMAN 1982
RICE ET AL. 1984
RUGH 1981
RUGH 1984
SEVERINGHAUS 1979
SINETI 1978
STEWART ET AL. 1985

KOREA

BERZIN 1978a
BOWEN 1974
BROWNELL & CHUN 1977
YABLOKOV & BOGOSLOVSKAYA 1984

MEXICO

ADAMS 1968
BERDEQUE 1957
BRYANT & LAFFERTY 1980
BRYANT ET AL. 1984
CETUS 1983
FLEISCHER 1981
GARD 1974
GARD 1976
GILMORE & EWING 1954
HUBBS 1958
HUBBS & HUBBS 1967
JONES & SWARTZ 1984a
JONES ET AL. 1984
NMFS 1974
NORRIS & PRESCOTT 1961
REILLY 1984a
RICE 1970
RICE ET AL. 1981
RICE ET AL. 1983
STORRO-PATTERSON 1979
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1980a
SWARTZ & JONES 1981a
SWARTZ & JONES 1981b
SWARTZ & JONES n.d.
WALKER 1949
WALKER 1971
WHITE 1975

NOT AREA SPECIFIC

ALLEN, K. R. 1980
BENNETT & LJUNGBLAD 1983
BERZIN & YABLOKOV 1978
BIRD 1983
BRAHAM 1981a
BRAHAM 1984a
BRAHAM 1984c
BROWNELL 1977
BURNHAM ET AL. 1980
CETUS 1983

CLARKE, R. 1982
EBERHARDT ET AL. 1979
FAO 1978
FOWLER 1984
GASKIN 1976
GASKIN 1982
HUBBS 1972
INT. WHALING COMM. 1982a
JONES ET AL. 1984
KROGMAN ET AL. 1979a
LEATHERWOOD ET AL. 1982
MARINE MAMMAL COMMISSION 1979
MITCHELL 1973
NMFS 1974
NOAA 1975a
POOLE 1984b
REETZ 1983
REILLY 1981b
REILLY 1984a
REILLY ET AL. 1980
RICE ET AL. 1984
SCHEFFER 1975
WALKER 1962
WOLMAN 1985

NORTH ATLANTIC

FAO 1978
MITCHELL 1974

NORTH PACIFIC

ADAMS 1968
AK GEOGR. 1979
ANTHONY 1921
BERDEQUE 1957
BERZIN 1978a
BERZIN 1978b
BERZIN & VLADIMIROV 1981
BOWEN 1974
BRAHAM & MERCER 1978
BROWNELL & CHUN 1977
BRYANT & LAFFERTY 1980
BRYANT ET AL. 1984
CETUS 1983
CONSIGLIERI ET AL. 1980
DARLING 1978a
DARLING 1978b
DARLING 1979
DOHL ET AL. 1981

EVERITT ET AL. 1979
FISCUS & NIGGOL 1965
FAO 1978
GARD 1974
GARD 1976
GILMORE 1955
GILMORE 1960a
GILMORE 1960b
GILMORE & EWING 1954
GILMORE & MILLS 1962
HERMAN ET AL. 1980
HERZING & MATE 1984
HUBBS 1950
HUBBS 1958
HUBBS & HUBBS 1967
HUDNALL 1981
INT. WHALING COMM. 1982a
IVASHIN & MINEEV 1978
JONES & SWARTZ 1984a
JONES ET AL. 1984
MALME ET AL. 1983b
MANZER 1954
MASER ET AL. 1981
MERCER ET AL. 1977
MILES 1984
NMFS 1974
NOAA 1984
NORRIS & PRESCOTT 1961
OHSUMI 1976
PATTEN & SARUBA 1979
POOLE 1984b
RAMSEY 1968
REETZ 1983
REILLY 1984a
REILLY 1984b
REILLY ET AL. 1979
REILLY ET AL. 1980
REILLY ET AL. 1983
RICE 1961
RICE 1965
RICE 1970
RICE 1975
RICE & VOLMAN 1971
RICE & VOLMAN 1982
RICE ET AL. 1981
RICE ET AL. 1983

Abundance / Distribution: Abundance

RICE ET AL. 1984
RIDGEWAY 1972
RUGH 1981
RUGH & BRAHAM 1979
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1961
STORRO-PATTERSON 1979
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1980a
SWARTZ & JONES 1981a
SWARTZ & JONES 1981b
SWARTZ & JONES n.d.
VOTROGOV & BOGOSLOVSKAYA 1980
WALKER 1949
WALKER 1962
WALKER 1971
WHITE 1975
YABLOKOV & BOGOSLOVSKAYA 1984

OKHOTSK SEA

BERZIN 1978b
BERZIN & VLADIMIROV 1981
YABLOKOV & BOGOSLOVSKAYA 1984

OREGON

FISCUS & NIGGOL 1965
HERZING & MATE 1984
MASER ET AL. 1981

UNITED STATES

MITCHELL 1974

WASHINGTON STATE

CETUS 1983
EVERITT ET AL. 1979
FISCUS & NIGGOL 1965

	RAY, G. C., & WARTZOK 1976
ALASKA	RICE & WOLMAN 1982
ARCTIC	AK GEOGR. 1979 BERZIN 1978b FAO 1978 MILLER, R. V. ET AL. 1985 SEVERINGHAUS 1979
ATLANTIC	HUBBS 1958
BEAUFORT SEA	AK GEOGR. 1979 APPLIED SCI. ASSOC. ET AL 1985 BAILEY & HENDEE 1926 BERZIN 1978b BRAHAM ET AL. 1977a BRAHAM ET AL. 1977d BROOKS 1979 BURNS ET AL. 1981 LJUNGBLAD 1981 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MARQUETTE & BRAHAM 1982 NOAA 1984 RIDGEWAY 1972 RUGH & FRAKER 1981 SCAMMON 1874 SEVERINGHAUS 1979 SINETI 1978 TOWNSEND 1935 ZHIRNOV ET AL. 1975
BERING SEA	AK GEOGR. 1979 APPLIED SCI. ASSOC. ET AL 1985 ARSEN'YEV 1961 ARSEN'YEV ET AL. 1973 BAILEY & HENDEE 1926 BERZIN 1978b BERZIN 1984 BERZIN & ROVNIN 1966 BLOKHIN 1981 BLOKHIN 1984b BLOKHIN & VLADIMIROV 1983

Abundance / Distribution: Distribution

BRAHAM 1984d
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977b
BRAHAM ET AL. 1977c
BRAHAM ET AL. 1977d
BRAHAM ET AL. 1982
BRAHAM ET AL. 1982
BROOKS 1979
BRUEGGEMAN 1983
BRUEGGEMAN ET AL. 1984
BURNS ET AL. 1981
BURNS ET AL. 1985
COWLES 1981b
DOROSHENKO 1981
FAY 1963
FEDOSEEV 1966
FISCUS & BRAHAM 1980
FAO 1978
FROST ET AL. 1982
GILL & HALL 1983
GILMORE 1960a
GUSEY 1979
GUSEY 1979b
HESSING 1983
HILLS & VALENTINE 1982
ICHIHARA 1958
IVASHIN & MINEEV 1978
IVASHIN & VOTROGOV 1982
JONES ET AL. 1984
KINETIC LABORATORIES INC 1983
KUZ'MIN & BERZIN 1975
LEATHERWOOD ET AL. 1983
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MARQUETTE & BRAHAM 1982
MILLER 1984
MILLER, R. V. ET AL. 1985
MINERALS MANAGEMENT SERV 1983a
MINERALS MANAGEMENT SERV 1983b
MOORE & LJUNGBLAD 1984
MOORE ET AL. 1984b
NOAA 1984
OLIVER 1981

PIKE 1962
REZANOV 1981
RICE 1970
RICE 1978
RICE ET AL. 1984
RIDGEWAY 1972
RUGH 1981
RUGH 1984
SCAMMON 1874
SEASE 1985
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1961
STEWART ET AL. 1985
THOMSON 1984b
TOMILIN 1937a
TOWNSEND 1935
VOTROGOV & BOGOSLOVSKAYA 1980
YABLOKOV & BOGOSLOVSKAYA 1984
ZHIRNOV ET AL. 1975
ZIMUSHKO 1970a

CALIFORNIA

BARHAM 1982
CUMMINGS ET AL. N.D.
DOHL ET AL. 1981
FISCUS & NIGGOL 1965
HUBBS 1958
HUBER ET AL. 1980
LEATHERWOOD 1974a
NMFS 1974
POOLE 1981
RICE 1970
RICE 1978
SUND & O'CONNOR 1974

CANADA

CARL 1967
DARLING 1978b
DARLING 1979
HATLER 1972
HATLER & DARLING 1974
PATTEN & SAMARAS 1977
PIKE 1962
STIRLING 1968

CHINA

PEILIE 1978

CHUKCHI SEA

AK GEOGR. 1979
APPLIED SCI. ASSOC. ET AL 1985
ARSEN'YEV ET AL. 1973
BAILEY & HENDEE 1926
BERZIN 1978b
BERZIN 1984
BERZIN & ROVNIN 1966
BERZIN & VLADIMIROV 1981
BLOKHIN 1979
BLOKHIN 1981
BLOKHIN 1984a
BLOKHIN 1984b
BLOKHIN & VLADIMIROV 1983
BRAHAM 1984d
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977c
BRAHAM ET AL. 1977d
BROOKS 1979
BURNS ET AL. 1981
DAVIS & THOMSON 1984
DOROSHENKO 1981
FEDOSEEV 1966
FROST ET AL. 1983
IVASHIN & MINEEV 1978
IVASHIN & VOTROGOV 1982
JONES ET AL. 1984
KUZ'MIN & BERZIN 1975
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MARQUETTE & BRAHAM 1982
MILLER, R. V. ET AL. 1985
MOORE & LJUNGBLAD 1984
MOORE ET AL. 1984b
MOORE ET AL. 1985
NOAA 1984
NIKULIN 1946
OLIVER 1981
PIKE 1962
REZANOV 1981
RICE 1970
RICE ET AL. 1984
RIDGEWAY 1972
SCAMMON 1874

SEASE 1985
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1961
TOWNSEND 1935
VOTROGOV & BOGOSLOVSKAYA 1980
WILKE & FISCUS 1961
YABLOKOV & BOGOSLOVSKAYA 1984
ZHIRNOV ET AL. 1975
ZIMUSHKO 1970a

GULF OF ALASKA

AK GEOGR. 1979
APPLIED SCI. ASSOC. ET AL 1985
BRAHAM 1984d
BRAHAM & MERCER 1978
CONSIGLIERI & BRAHAM 1982
CONSIGLIERI ET AL. 1980
FISCUS ET AL. 1976
FORSELL & GOULD 1981
GUSEY 1979c
HALL 1979
HESSING 1983
JONES ET AL. 1984
LEATHERWOOD ET AL. 1983
MERCER ET AL. 1977
NOAA 1984
PIKE 1962
RICE 1978
RICE & WOLMAN 1982
RICE ET AL. 1984
RUGH 1981
RUGH 1984
SEVERINGHAUS 1979
SINETI 1978
STEWART ET AL. 1985

JAPAN

FURUTA 1984
OMURA 1974
OMURA 1984

KOREA

BERZIN 1978a
YABLOKOV & BOGOSLOVSKAYA 1984

MEXICO

BOSTIC 1975
BRYANT 1980
BRYANT & LAFFERTY 1980

Abundance / Distribution: Distribution

BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
CETUS 1983
FLEISCHER 1981
GARD 1974
GARD 1976
GILMORE & EWING 1954
HUBBS 1958
JONES 1984
JONES & SWARTZ 1984a
JONES ET AL. 1984
NMFS 1974
PATTEN & SAMARAS 1977
RICE 1970
RICE 1978
RICE ET AL. 1981
RICE ET AL. 1983
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1981a
SWARTZ & JONES 1981b
SWARTZ & JONES n.d.

NOT AREA SPECIFIC

BIRD 1983
BROWNELL 1977
CCCP 1980
CETUS 1983
FAO 1978
GASKIN 1976
GASKIN 1982
HARRISON & KING 1965
HOYT 1984
JONES ET AL. 1984
LAUBER 1975
MATTHEWS 1975
NMFS 1974
RICE 1977
RICE ET AL. 1984
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
WALKER 1962
VOLMAN 1985

NORTH ATLANTIC

FAO 1978
FRASER 1970

NORTH PACIFIC

AK GEOGR. 1979
GARHAM 1982
BERZIN 1978a
BERZIN 1978b
BERZIN & ROVNIN 1966
BERZIN & VLADIMIROV 1981
BOSTIC 1975
BRAHAM & MERCER 1978
BRYANT 1980
BRYANT & LAFFERTY 1980
BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
CARL 1967
CETUS 1983
CONSIGLIERI ET AL. 1980
CUMMINGS ET AL. N.O.
DARLING 1978b
DARLING 1979
DOHL ET AL. 1981
EVERITT ET AL. 1979
FISCUS & NIGGOL 1965
FLAHERTY 1983
FAO 1978
FORSELL & GOULD 1981
FURUTA 1984
GARD 1974
GARD 1976
GILMORE 1960a
GILMORE & EWING 1954
HATLER 1972
HATLER & DARLING 1974
HERMAN ET AL. 1980
HERZING & MATE 1981
HUBBS 1958
HUBER ET AL. 1980
ICHIHARA 1958
IVASHIN & MINEEV 1978
JONES 1984
JONES & SWARTZ 1984a
JONES ET AL. 1984
LEATHERWOOD 1974a
MANZER 1954
MASER ET AL. 1981
MERCER ET AL. 1977
MIYAZAKI 1980

Abundance / Distribution: Distribution

NMFS 1974
NOAA 1984
OMURA 1974
OMURA 1984
PATTEN & SAMARAS 1977
PEILIE 1978
PIKE 1962
POOLE 1981
RICE 1970
RICE 1978
RICE & WOLMAN 1982
RICE ET AL. 1981
RICE ET AL. 1983
RICE ET AL. 1984
RIDGEWAY 1972
RUGH 1981
SAMARAS 1974
SCAMMON 1869
SCAMMON 1874
SEVERINGHAUS 1979
SIMENSTAD ET AL. 1979
SINETI 1978
SLEPTSOV 1961
STIRLING 1968
SUMICH 1982
SUND & O'CONNOR 1974
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1981a
SWARTZ & JONES 1981b
SWARTZ & JONES n.d.
VOTROGOV & BOGOSLOVSKAYA 1980
WAHL 1977
WALKER 1962
WILKE & FISCUS 1961
YABLOKOV & BOGOSLOVSKAYA 1984

OKHOTSK SEA

BERZIN 1978b
BERZIN & VLADIMIROV 1981
YABLOKOV & BOGOSLOVSKAYA 1984

OREGON

FISCUS & NIGGOL 1965
HERZING & MATE 1981
MASER ET AL. 1981
PATTEN & SAMARAS 1977
SUMICH 1982

Abundance / Distribution: Historical review

ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	SCAMMON 1874 SEVERINGHAUS 1979 TOWNSEND 1935
BERING SEA	COWLES 1981b LEATHERWOOD ET AL. 1983 REILLY 1984a SCAMMON 1874 SEVERINGHAUS 1979 TOWNSEND 1887 TOWNSEND 1935
CALIFORNIA	MILES 1984
CHUKCHI SEA	REILLY 1984a SCAMMON 1874 SEVERINGHAUS 1979 TOWNSEND 1887 TOWNSEND 1935
GULF OF ALASKA	LEATHERWOOD ET AL. 1983 REILLY 1984a SEVERINGHAUS 1979
JAPAN	MIZUE 1951 OMURA 1974 OMURA 1984
KOREA	MIZUE 1951
MEXICO	REILLY 1984a VARGAS 1981
NOT AREA SPECIFIC	REILLY 1981b REILLY 1984a
NORTH ATLANTIC	FRASER 1970
NORTH PACIFIC	ANTHONY 1921 GILMORE 1955 HERMAN ET AL. 1980 MACKINTOSH 1946 MILES 1984 MIZUE 1951

Abundance / Distribution: Historical review

OMURA 1974
OMURA 1984
REILLY 1984a
SCAMMON 1869
SCAMMON 1874
SEVERINGHAUS 1979
SLEPTSOV 1970
TOWNSEND 1887
VARGAS 1981

Abundance / Distribution: Migration

ALASKA	RUGH & BRAHAM 1979
ARCTIC	COWLES 1981a KELLOGG 1929 SEVERINGHAUS 1979
ATLANTIC	HUBBS 1958 NEMOTO 1959
BEAUFORT SEA	APPLIED SCI. ASSOC. ET AL 1985 BRAHAM ET AL. 1977a BRAHAM ET AL. 1977d BROOKS 1979 COWLES 1981a KELLOGG 1931 LJUNGBLAD 1981 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MATE & HARVEY 1982a NOAA 1984 NEMOTO 1959 RUGH & FRAKER 1981 SCAMMON 1874 SEVERINGHAUS 1979 SINETI 1978
BERING SEA	APPLIED SCI. ASSOC. ET AL 1985 BELDA ET AL. 1969 BERZIN & ROVNIN 1966 BRAHAM 1977 BRAHAM 1984d BRAHAM ET AL. 1977a BRAHAM ET AL. 1977d BRAHAM ET AL. 1982 BROOKS 1979 BRUEGGEMAN ET AL. 1984 CONKLIN 1974 COWLES 1981a COWLES 1981b FISCUS & BRAHAM 1980 FROST ET AL. 1982 GILL & HALL 1983 GILMORE 1960a GILMORE 1960b

Abundance / Distribution: Migration

GILMORE 1969
GILMORE 1978a
GUSEY 1979
GUSEY 1979b
HALL ET AL. 1977
HESSING 1983
ICHIHARA 1958
JONES ET AL. 1984
KELLOGG 1929
KELLOGG 1931
KILLINGLEY 1980
KINNETIC LABS, INC. 1984
LEATHERWOOD ET AL. 1983
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MAHER 1960
MINERALS MANAGEMENT SERV 1983b
NOAA 1984
NEMOTO 1959
PIKE 1962
REILLY 1984a
RICE 1970
RICE 1978
RICE ET AL. 1984
RUGH 1981
RUGH & BRAHAM 1979
SCAMMON 1874
SEVERINGHAUS 1979
SINETI 1978
YABLOKOV & BOGOSLOVSKAYA 1984

CALIFORNIA

ADAMS 1968
BALDRIDGE 1974
BELDA ET AL. 1969
CLARK ET AL. 1983b
COUSTEAU & DIOLE 1972
CUMMINGS ET AL. N.D.
DOHL & GUESS N.D.
DOHL ET AL. 1981
GILMORE 1978b
HUBBS 1958
KILLINGLEY 1980
LEATHERWOOD 1974a

LINDSAY 1967
MATE & HARVEY 1979
MATE & HARVEY 1981b
MC NULTY 1973
MILES 1984
NMFS 1974
PATTEN & SARUBA 1979
PIKE & MACASKIE 1969
POOLE 1980
POOLE 1981
POOLE 1983b
POOLE 1984a
REILLY ET AL. 1980
REILLY ET AL. 1983
RICE 1965
RICE 1970
RICE 1978
SULLIVAN 1983
SULLIVAN & HOUCK 1979
SUMICH 1981b
SUND 1975
SUND & O'CONNOR 1974
TREACY 1985
WOLFSON 1977

CANADA

COUSTEAU & DIOLE 1972
DARLING 1984
HATLER 1972
HATLER & DARLING 1974
PIKE 1962

CHUKCHI SEA

APPLIED SCI. ASSOC. ET AL 1985
BERZIN & ROVNIN 1966
BRAHAM 1984d
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977d
BROOKS 1979
COMLES 1981a
DAVIS & THOMSON 1984
GILMORE 1960b
JONES ET AL. 1984
KELLOGG 1929
KELLOGG 1931
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983

Abundance / Distribution: Migration

LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MAHER 1960
NOAA 1984
NEMOTO 1959
PIKE 1962
REILLY 1984a
RICE 1970
RICE ET AL. 1984
SCAMMON 1874
SEVERINGHAUS 1979
SINETI 1978
WILKE & FISCUS 1961
YABLOKOV & BOGOSLOVSKAYA 1984

GULF OF ALASKA

APPLIED SCI. ASSOC. ET AL 1985
BRAHAM 1977
BRAHAM 1984d
CONSIGLIERI & BRAHAM 1982
CUNNINGHAM & STANFORD 1979
GILMORE 1978a
GUSEY 1979c
HALL 1979
HALL ET AL. 1977
HESSING 1983
JONES ET AL. 1984
KINETIC LABS, INC. 1984
LEATHERWOOD ET AL. 1983
MATE & HARVEY 1979
NOAA 1984
PIKE 1962
REILLY 1984a
RICE 1978
RICE ET AL. 1984
RUGH 1981
SEVERINGHAUS 1979
SINETI 1978

JAPAN

MIZUE 1951
NISHIWAKI & KASUYA 1970
OMURA 1974

KOREA

MIZUE 1951
YABLOKOV & BOGOSLOVSKAYA 1984

MEXICO

ADAMS 1968

BELOA ET AL. 1969
CONKLIN 1974
COUSTEAU & DIOLE 1972
HUBBS 1958
JONES ET AL. 1984
LINDSAY 1967
MATE & HARVEY 1979
MATE & HARVEY 1981a
MATE & HARVEY 1981b
MATE & HARVEY 1982a
MATE & HARVEY 1982b
MATE ET AL. 1983a
NMFS 1974
NORRIS & PRESCOTT 1961
REILLY 1984a
RICE 1970
RICE 1978
WHITE 1975

NOT AREA SPECIFIC

BENNETT ET AL. 1983
BIRD 1983
BRAHAM 1981a
BRAHAM 1984a
CCCP 1980
CLARKE, R. 1957
GASKIN 1976
GASKIN 1982
JONES ET AL. 1984
KAWAMURA 1975
KINNE 1975
LAUBER 1975
MALME ET AL. 1983a
MATE & HARVEY 1982b
NMFS 1974
NEMOTO 1959
OMURA 1971
REILLY 1981b
REILLY 1984a
REILLY ET AL. 1980
RICE ET AL. 1984
SLIJPER 1962a
SLIJPER 1962b
WATKINS 1982b

NORTH ATLANTIC

MATE ET AL. 1983a

NORTH PACIFIC

ADAMS 1968
BALDRIDGE 1974
BELDA ET AL. 1969
BERZIN & ROVNIN 1966
BRAHAM 1977
CLARK ET AL. 1983b
CLARKE, R. 1957
CONKLIN 1974
COPE 1869
COUSTEAU & DIOLE 1972
CUMMINGS ET AL. N.D.
CUNNINGHAM & STANFORD 1979
DARLING 1984
DOHL & GUESS N.D.
DOHL ET AL. 1981
EVERITT ET AL. 1979
GILMORE 1958
GILMORE 1960a
GILMORE 1960b
GILMORE 1969
GILMORE 1978a
GILMORE 1978b
HALL ET AL. 1977
HATLER 1972
HATLER & DARLING 1974
HERZING & MATE 1981
HERZING & MATE 1984
HUBBS 1950
HUBBS 1958
ICHIHARA 1958
JONES ET AL. 1984
KELLOGG 1929
KELLOGG 1931
KILLINGLEY 1980
KINETIC LABS, INC. 1984
KVITEK & OLIVER 1986
LEATHERWOOD 1974a
LINDSAY 1967
MACKINTOSH 1946
MANZER 1954
MATE & HARVEY 1979
MATE & HARVEY 1981a
MATE & HARVEY 1981b
MATE & HARVEY 1982a
MATE & HARVEY 1982b
MATE ET AL. 1983a

Abundance / Distribution: Migration

MC NULTY 1973
MILES 1984
MILLER 1975
MIZUE 1951
NMFS 1974
NOAA 1984
NEMOTO 1959
NISHIWAKI & KASUYA 1970
NORRIS & PRESCOTT 1961
OMURA 1974
ORR 1970
PATTEN & SARUBA 1979
PHLEGER 1959
PIKE 1962
PIKE & MACASKIE 1969
POOLE 1980
POOLE 1981
POOLE 1983b
POOLE 1984a
REILLY 1984a
REILLY ET AL. 1980
REILLY ET AL. 1983
RICE 1965
RICE 1970
RICE 1978
RICE ET AL. 1984
RUGH 1981
RUGH & BRAHAM 1979
SCAMMON 1869
SCAMMON 1874
SCHAFER & SLIPP 1948
SEVERINGHAUS 1979
SIMENSTAD ET AL. 1979
SINETI 1978
SULLIVAN 1983
SULLIVAN & HOUCK 1979
SUMICH 1981b
SUND 1975
SUND & O'CONNOR 1974
TREACY 1985
WHITE 1975
WILKE & FISCUS 1961
WOLFSON 1977
YABLOKOV & BOGOSLOVSKAYA 1984

OKHOTSK SEA

YABLOKOV & BOGOSLOVSKAYA 1984

OREGON

HERZING & MATE 1981

HERZING & MATE 1984

WASHINGTON STATE

EVERITT ET AL. 1979

RICE 1978

SIMENSTAD ET AL. 1979

WEST COAST OF NORTH A PIKE 1962

Abundance / Distribution: Techniques

BEAUFORT SEA	MATE & HARVEY 1982a
BERING SEA	KILLINGLEY 1980 RAMSEY 1968 REILLY 1984a RUGH 1984 SLEPTSOV 1961
CALIFORNIA	ADAMS 1968 KILLINGLEY 1980 MALME ET AL. 1983b RAMSEY 1968 REILLY ET AL. 1979 RICE 1961
CHUKCHI SEA	RAMSEY 1968 REILLY 1984a SLEPTSOV 1961
GULF OF ALASKA	REILLY 1984a RUGH 1984
MEXICO	ADAMS 1968 FLEISCHER & CARLSON 1980 FOLLMANN 1979 JONES & SWARTZ 1984a MATE & HARVEY 1981a MATE & HARVEY 1982a MATE & HARVEY 1982b REILLY 1984a STORRO-PATTERSON 1979
NOT AREA SPECIFIC	BURNHAM ET AL. 1980 CLARKE, R. 1982 EBERHARDT ET AL. 1979 LEATHERWOOD ET AL. 1982 MATE & HARVEY 1982b REILLY 1981b REILLY 1984a
NORTH PACIFIC	ADAMS 1968 FLEISCHER & CARLSON 1980 FOLLMANN 1979 JONES & SWARTZ 1984a KILLINGLEY 1980 MALME ET AL. 1983b

Abundance / Distribution: Techniques

MATE & HARVEY 1981a
MATE & HARVEY 1982a
MATE & HARVEY 1982b
RAMSEY 1968
REILLY 1984a
REILLY ET AL. 1979
RICE 1961
SLEPTSOV 1961
STORRO-PATTERSON 1979

Biology: Anatomy

MEXICO	SPENCER ET AL. 1967
NOT AREA SPECIFIC	HOSOKAWA & KAMIYA 1971 REYERSBACH DE HAAN 1957 SLIJPER 1962a SLIJPER 1979
NORTH PACIFIC	ANDREWS 1914 SPENCER ET AL. 1967

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Biology: Growth

	RICE & WOLMAN 1967
ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	DARLING 1973 RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	DARLING 1973 HILLS & VALENTINE 1982 KANNENWORFF 1965 RICE 1972 RICE 1978 RICE & WOLMAN 1971 RISTING 1928 SEVERINGHAUS 1979 TOMILIN 1957 YABLOKOV & BOGOSLOVSKAYA 1984
CALIFORNIA	DARLING 1973 NMFS 1974 RICE 1978
CHUKCHI SEA	DARLING 1973 RICE 1972 RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957 YABLOKOV & BOGOSLOVSKAYA 1984
GULF OF ALASKA	RICE 1978 SEVERINGHAUS 1979
KOREA	YABLOKOV & BOGOSLOVSKAYA 1984
MEXICO	NMFS 1974 RICE 1978 WALKER 1949
NOT AREA SPECIFIC	DARLING 1973 LAWS 1956 MATTHEWS 1975 NMFS 1974 RICE 1966 RICE 1983

Biology: Growth

	RISTING 1928
	SUMICH 1981a
	WAHRENBROCK ET AL. 1974
NORTH PACIFIC	DARLING 1973
	GILMORE 1956
	KANNENWORFF 1965
	NMFS 1974
	RICE 1972
	RICE 1978
	RICE & WOLMAN 1971
	RISTING 1928
	SEVERINGHAUS 1979
	TOMILIN 1957
	WALKER 1949
	WHITE & GRIESE 1978
	YABLOKOV & BOGOSLOVSKAYA 1984
OKHOTSK SEA	YABLOKOV & BOGOSLOVSKAYA 1984
WASHINGTON STATE	RICE 1978

Biology: Histology

BEAUFORT SEA	ALBERT & PHILO 1979
	MIGAKI 1979a
	MIGAKI 1981
	TOMILIN 1957
BERING SEA	TOMILIN 1957
CHUKCHI SEA	MIGAKI 1979a
	MIGAKI 1981
	TOMILIN 1957
NOT AREA SPECIFIC	ALBERT 1980a
	ALBERT 1981e
	ALBERT & PHILO 1979
	DUBIELZIG & AGUIRRE 1979b
	GERACI & ST. AUBIN 1982e
	KOORYMAN & ANDERSEN 1969
	MIGAKI 1979a
	MIGAKI 1981
NORTH PACIFIC	ST. AUBIN ET AL. 1984
	TOMILIN 1957

Biology: Individual Identification

ALASKA	MALME ET AL. 1985a
ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	HOBBS & GOEBEL 1982 LJUNGBLAD 1981 SEVERINGHAUS 1979
BERING SEA	LJUNGBLAD 1981 SAUER 1963 SEVERINGHAUS 1979
CALIFORNIA	DAUGHERTY 1966
CANADA	DARLING 1984
CHUKCHI SEA	LJUNGBLAD 1981 SEVERINGHAUS 1979
GULF OF ALASKA	SEVERINGHAUS 1979
MEXICO	SWARTZ & JONES 1981a
NOT AREA SPECIFIC	HOBBS & GOEBEL 1982
NORTH PACIFIC	DARLING 1984 DAUGHERTY 1966 MALME ET AL. 1985a SEVERINGHAUS 1979 SWARTZ & JONES 1981a

Biology: Life history

	RICE & WOLMAN 1967
ARCTIC	AK GEOGR. 1979 SCHEFFER 1978 SEVERINGHAUS 1979
BEAUFORT SEA	AK GEOGR. 1979 BRAHAM 1982a DARLING 1973 LJUNGBLAD ET AL. 1984b NOAA 1984 RICE & WOLMAN 1971 RIDGEWAY 1972 SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	AK GEOGR. 1979 BELDA ET AL. 1969 BRAHAM 1982a DARLING 1973 GILMORE 1969 JONES ET AL. 1984 KANNENWORFF 1965 KINETIC LABORATORIES INC 1983 LJUNGBLAD ET AL. 1984b NOAA 1984 RICE 1970 RICE & WOLMAN 1971 RICE ET AL. 1984 RIDGEWAY 1972 RISTING 1928 SEVERINGHAUS 1979 TOMILIN 1957 TOWNSEND 1887
CALIFORNIA	BELDA ET AL. 1969 DARLING 1973 REILLY 1984b RICE 1970
CANADA	DARLING 1978b
CHUKCHI SEA	AK GEOGR. 1979 BLOKHIN 1984a BRAHAM 1982a DARLING 1973

Biology: Life history

- JONES ET AL. 1984
LJUNGBLAD ET AL. 1984b
NOAA 1984
RICE 1970
RICE & VOLMAN 1971
RICE ET AL. 1984
RIDGEWAY 1972
SEVERINGHAUS 1979
TOMILIN 1957
TOWNSEND 1887
- GULF OF ALASKA
- AK GEOGR. 1979
JONES ET AL. 1984
NOAA 1984
RICE ET AL. 1984
SEVERINGHAUS 1979
- MEXICO
- BELDA ET AL. 1969
BOSTIC 1975
BRYANT 1980
BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
CETUS 1983
JONES & SWARTZ 1984b
JONES ET AL. 1984
RICE 1970
SWARTZ & JONES 1980a
SWARTZ & JONES 1981b
SWARTZ & JONES 1981b
SWARTZ & JONES n.d.
- NOT AREA SPECIFIC
- ALLEN, K. R. 1980
AUDUBON 1975
BARTHOLOMEW 1974
BENNETT ET AL. 1983
CCCP 1980
CETUS 1983
DARLING 1973
GAMBELL 1976
HARRISON & KING 1965
HILL 1975
HUBBS 1972
JONES ET AL. 1984
JONGGAARD 1969
RALLS 1976
REILLY 1981b

Biology: Life history

RICE ET AL. 1984
RISTING 1928
STORRO-PATTERSON 1981a
WALKER 1962
YABLOKOV & BERZIN 1978

NORTH PACIFIC

AK GEOGR. 1979
ANDREWS 1914
BELDA ET AL. 1969
BOSTIC 1975
BRYANT 1980
BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
CARTER 1965
CATON 1888
CETUS 1983
DARLING 1973
DARLING 1978b
GILMORE 1969
JONES & SWARTZ 1984b
JONES ET AL. 1984
KANNENWORFF 1965
MASER ET AL. 1981
NOAA 1984
REILLY 1984b
RICE 1970
RICE & WOLMAN 1971
RICE ET AL. 1984
RIDGEWAY 1972
RISTING 1928
SCHEFFER 1978
SEVERINGHAUS 1979
STORRO-PATTERSON 1980a
SWARTZ & JONES 1980a
SWARTZ & JONES 1981b
SWARTZ & JONES 1981b
SWARTZ & JONES n.d.
TOMILIN 1957
TOWNSEND 1887
WALKER 1962

OREGON

MASER ET AL. 1981

WASHINGTON STATE

CETUS 1983

Biology: Morphology

ATLANTIC	GRAY 1866 NEMOTO 1959 TRUE 1904
BEAUFORT SEA	ALBERT & PHILO 1979 BAILEY & HENDEE 1926 BERZIN & KUZ'MIN 1975 DARLING 1973 NEMOTO 1959 PIKE 1956 RICE & WOLMAN 1971 SINETI 1978 TOMILIN 1957
BERING SEA	BAILEY & HENDEE 1926 BERZIN & KUZ'MIN 1975 DARLING 1973 NEMOTO 1959 PIKE 1956 RICE 1967 RICE 1972 RICE & WOLMAN 1971 RISTING 1928 SINETI 1978 TOMILIN 1957 YABLOKOV & BOGOSLOVSKAYA 1984
CALIFORNIA	DARLING 1973 NMFS 1974
CANADA	RICE 1967
CHINA	PEILIE 1978
CHUKCHI SEA	BAILEY & HENDEE 1926 BERZIN & KUZ'MIN 1975 BLOKHIN 1984a DARLING 1973 NEMOTO 1959 PIKE 1956 RICE 1967 RICE 1972 RICE & WOLMAN 1971 SINETI 1978 TOMILIN 1957 YABLOKOV & BOGOSLOVSKAYA 1984

GULF OF ALASKA

RICE 1967
SINETI 1978

JAPAN

MIZUE 1951
NISHIWAKI & KASUYA 1970
OMURA 1974

KOREA

MIZUE 1951
YABLOKOV & BOGOSLOVSKAYA 1984

MEXICO

NMFS 1974
RICE 1967

NOT AREA SPECIFIC

AINLEY ET AL. 1980
ALBERT & PHILO 1979
ARNASON 1974
BOGOSLOVSKAYA & LEMBERG 1979
DARLING 1973
DUFFIELD 1974
GASKIN 1976
GASKIN 1982
GERACI ET AL. 1983
HARRISON & KING 1965
HOYT 1984
KIMURA n.d.
MILLER, G. S. 1923
NMFS 1974
NEMOTO 1959
NISHIWAKI 1950
NORRIS, ED 1977
OMURA 1971
PIVORIUNAS 1976
RISTING 1928
SLIJPER 1962b
WILLIAMSON 1983
WOLMAN 1985
ZIMUSHKO 1970b
ZIMUSHKO 1970d
ZIMUSHKO 1972b

NORTH ATLANTIC

FLOWER 1872
FRASER 1970
LARSON 1917
LILLJEBORG 1866
LUBBOCK 1937

NORTH PACIFIC

DARLING 1973
EVERITT ET AL. 1979
MILLER 1975
MIZUE 1951
NMFS 1974
NEMOTO 1959
NISHIWAKI 1950
NISHIWAKI & KASUYA 1970
OMURA 1974
PEILIE 1978
PIKE 1956
RICE 1967
RICE 1972
RICE & WOLMAN 1971
RISTING 1928
SCAMMON 1869
SINETI 1978
TOMILIN 1957
TRUE 1904
YABLOKOV & BOGOSLOVSKAYA 1984

OKHOTSK SEA

YABLOKOV & BOGOSLOVSKAYA 1984

WASHINGTON STATE

EVERITT ET AL. 1979

Biology: Pathology

ATLANTIC	HUBBS 1958
BEAUFORT SEA	ALBERT 1981a ALBERT & PHILO 1979 DARLING 1973 HURLEY & MOHR 1957 MIGAKI 1979a MIGAKI 1981 RICE & WOLMAN 1971 TOMILIN 1957
BERING SEA	DARLING 1973 KILLINGLEY 1980 RAUSH & FAY 1966 RICE 1970 RICE & WOLMAN 1971 TOMILIN 1957 TRESHCHEV ET AL. 1969
CALIFORNIA	DARLING 1973 HUBBS 1958 KASUYA & RICE 1970 KILLINGLEY 1980 RICE 1970 WOLMAN & WILSON 1970
CHUKCHI SEA	ALBERT 1981a BLOKHIN 1984a DARLING 1973 HURLEY & MOHR 1957 MIGAKI 1979a MIGAKI 1981 RICE 1970 RICE & WOLMAN 1971 TOMILIN 1957 TRESHCHEV ET AL. 1969
MEXICO	HUBBS 1958 NORRIS & PRESCOTT 1961 RICE 1970 SWARTZ 1981
NOT AREA SPECIFIC	ALBERT 1981a ALBERT & PHILO 1979 DARLING 1973 FAY ET AL. 1979

GERACI & ST. AUBIN 1982d
GERACI & ST. AUBIN 1982h
GERACI & ST. AUBIN 1985
KASUYA & RICE 1970
KLUMOV 1984
LEUNG 1967
MIGAKI 1979a
MIGAKI 1981
ROWNTREE 1983
TOMILIN 1955
WOLMAN 1985
ZENKOVICH 1935

NORTH PACIFIC

DARLING 1973
HUBBS 1958
KASUYA & RICE 1970
KILLINGLEY 1980
NORRIS & PRESCOTT 1961
RICE 1970
RICE & WOLMAN 1971
SWARTZ 1981
TOMILIN 1957
WOLMAN & WILSON 1970

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Biology: Physiology

ALASKA	WURSIG ET AL. 1985b
ANTARCTICA	NEMOTO 1957
ARCTIC	COWLES 1981a HERWIG ET AL. 1984 KELLOGG 1929 SEVERINGHAUS 1979
ATLANTIC	NEMOTO 1959
BEAUFORT SEA	ALBERT & PHILO 1979 COWLES 1981a DARLING 1973 NEMOTO 1957 NEMOTO 1959 SCAMMON 1874 SEVERINGHAUS 1979 TOMILIN 1957 WURSIG ET AL. 1985b
BERING SEA	BELDA ET AL. 1969 COWLES 1981a DARLING 1973 GILMORE 1969 HILLS & VALENTINE 1982 KELLOGG 1929 NEMOTO 1957 NEMOTO 1959 RICE 1978 RISTING 1928 SCAMMON 1874 SEVERINGHAUS 1979 THOMSON 1984b TOMILIN 1957
CALIFORNIA	BELDA ET AL. 1969 DARLING 1973 MALME ET AL. 1983c NMFS 1974 RICE 1978 SUNICH 1981b
CANADA	WURSIG ET AL. 1985b
CHUKCHI SEA	BLOKHIN 1984a

Biology: Physiology

- BLOKHIN 1984c
COWLES 1981a
DARLING 1973
KELLOGG 1929
NEMOTO 1957
NEMOTO 1959
SCAMMON 1874
SEVERINGHAUS 1979
TOMILIN 1957
- GULF OF ALASKA** NEMOTO 1957
RICE 1978
SEVERINGHAUS 1979
- MEXICO** BELDA ET AL. 1969
NMFS 1974
RICE 1978
SPENCER ET AL. 1967
- NOT AREA SPECIFIC** ALBERT 1980a
ALBERT 1981e
ALBERT & PHILO 1979
ARNASON 1974
BRIGGS & MOREJOHN 1972
CURRAN & ASHER 1974
DARLING 1973
DUBIELZIG & AGUIRRE 1979b
DUFFIELD 1974
GERACI & ST. AUBIN 1982h
GERACI & ST. AUBIN 1982k
GERACI & ST. AUBIN 1985
GERACI ET AL. 1983
GILMARTIN ET AL. 1974
HARRISON & KING 1965
HERWIG ET AL. 1984
HOSOKAWA & KAMIYA 1971
JONSGAARD 1969
KANWISHER & RIDGWAY 1983
KAWAMURA 1971
KAWAMURA 1975
KELLOGG 1928
KIMURA n.d.
KINNE 1975
KOORYMAN 1975
KOORYMAN & ANDERSEN 1969
KOORYMAN ET AL. 1981

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y

Biology: Physiology

LOCKYER 1979
MALME ET AL. 1983c
MATTHEWS 1975
MEDWAY 1974
MEEK 1918
MILLER, G. S. 1923
MORRIS 1972
NMFS 1974
NEMOTO 1959
NEMOTO 1970
NORRIS 1969
NORRIS, ED 1977
OMURA 1971
PIVORUNAS 1976
RAY & SCHEVILL 1974
REYERSBACH DE HAAN 1957
RISTING 1928
RUUD 1945
SCHEVILL ET AL. 1967
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
SMITH & WAHRENBROCK 1974
ST. AUBIN ET AL. 1984
SUNICH 1983
SWEENEY & MATTSSON 1974
TOMILIN 1946
TOMILIN 1955
WAHRENBROCK ET AL. 1974
WATKINS 1985a
WOLMAN 1985
WURSIG 1983
ZENKOVICH 1938a
ZENKOVICH 1938b
ZETTNER 1974
ZIMUSHKO 1970b
ZIMUSHKO 1970c
ZIMUSHKO 1970d
ZIMUSHKO 1970e
ZIMUSHKO 1972a

NORTH PACIFIC

BELDA ET AL. 1969
CARTER 1965
DARLING 1973
GILMORE 1969
HERWIG ET AL. 1984

Biology: Physiology

KELLOGG 1929
KOORYMAN 1975
MALME ET AL. 1983c
NMFS 1974
NEMOTO 1957
NEMOTO 1959
RICE 1978
RISTING 1928
SCAMMON 1874
SEVERINGHAUS 1979
SPENCER ET AL. 1967
SUMICH 1981b
TOMILIN 1957
WHITE & GRIESE 1978
WHITE & MATTHEWS 1956

WASHINGTON STATE

RICE 1978

Biology: Reproduction

	RICE & WOLMAN 1967
ATLANTIC	HUBBS 1958
BEAUFORT SEA	DARLING 1973 RICE & WOLMAN 1971
BERING SEA	DARLING 1973 GILMORE 1960a PIKE 1962 RICE 1972 RICE 1978 RICE & WOLMAN 1971 RICE ET AL. 1984 RISTING 1928 SAUER 1963 YABLOKOV & BOGOSLOVSKAYA 1984
CALIFORNIA	BALDRIDGE 1974 DARLING 1973 HUBBS 1958 LEATHERWOOD 1975 POOLE 1984b REILLY 1984b REILLY ET AL. 1980 RICE 1978 SUND 1975 WILSON 1982
CANADA	HATLER & DARLING 1974 PIKE 1962
CHUKCHI SEA	BLOKHIN 1984a BLOKHIN 1984c DARLING 1973 PIKE 1962 RICE 1972 RICE & WOLMAN 1971 RICE ET AL. 1984 YABLOKOV & BOGOSLOVSKAYA 1984
GULF OF ALASKA	PIKE 1962 RICE 1978 RICE ET AL. 1984
JAPAN	OMURA 1974

KOREA

YABLOKOV & BOGOSLOVSKAYA 1984

MEXICO

BALCOMB 1974
EBERHART & NORRIS 1964
GILMORE & EWING 1954
GILMORE ET AL. 1967
HUBBS 1958
JONES 1984
MILLS & MILLS 1979
RICE 1978
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1980a
SWARTZ & JONES 1981a
SWARTZ & JONES 1981b
SWARTZ & JONES 1983
SWARTZ & JONES 1984
SWARTZ & JONES n.d.
WHITE 1975

NOT AREA SPECIFIC

BENNETT ET AL. 1983
BRAHAM 1981a
CLARKE, R. 1957
DARLING 1973
FOWLER 1984
GASKIN 1976
HOYT 1984
KAWAMURA 1975
LAUBER 1975
MEEK 1918
NORRIS, ED 1977
POOLE 1984b
REILLY ET AL. 1980
RICE 1966
RICE 1983
RICE ET AL. 1984
RISTING 1928
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
TOMILIN 1946
UGLMAN 1985
YABLOKOV & BERZIN 1978
ZIMUSHKO 1969
ZIMUSHKO 1970c

NORTH PACIFIC

ZIMUSHKO 1972a

ANDREWS 1914
BALCOMB 1974
BALDRIDGE 1974
CLARKE, R. 1957
DARLING 1973
EBERHART & NORRIS 1964
GILMORE 1955
GILMORE 1956
GILMORE 1958
GILMORE 1960a
GILMORE & EWING 1954
GILMORE ET AL. 1967
HATLER & DARLING 1974
HERMAN ET AL. 1980
HOUCK 1962
HUBBS 1950
HUBBS 1958
JONES 1984
LEATHERWOOD 1975
MASER ET AL. 1981
MILLS & MILLS 1979
NEWMAN 1976
OMURA 1974
ORR 1970
PIKE 1962
POOLE 1984b
REILLY 1984b
REILLY ET AL. 1980
RICE 1972
RICE 1978
RICE & VOLMAN 1971
RICE ET AL. 1984
RISTING 1928
SAMARAS 1974
SUND 1975
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1980a
SWARTZ & JONES 1981a
SWARTZ & JONES 1981b
SWARTZ & JONES 1983
SWARTZ & JONES 1984
SWARTZ & JONES n.d.
WHITE 1975

Biology: Reproduction

	WILSON 1982
	YABLOKOV & BOGOSLOVSKAYA 1984
OKHOTSK SEA	YABLOKOV & BOGOSLOVSKAYA 1984
OREGON	MASER ET AL. 1981
WASHINGTON STATE	NEWMAN 1976
	RICE 1978
WEST COAST OF NORTH A PIKE	1962

Biology: Taxonomy

ARCTIC	SEVERINGHAUS 1979
ATLANTIC	CEDERLUND 1939 COPE 1868a COPE 1868b DEINSE & JUNGE 1937 DUDLEY 1725 ERXLEBEN 1777 GRAY 1864 GRAY 1865 GRAY 1866 LILLJEBORG 1861 LILLJEBORG 1867 TRUE 1904
BEAUFORT SEA	BERZIN & KUZ'MIN 1975 DARLING 1973 RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	BERZIN & KUZ'MIN 1975 DARLING 1973 GILMORE 1960a KRASHENINNIKOV 1775 RICE 1967 RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957 VON DITMAR 1890
CALIFORNIA	DARLING 1973
CANADA	RICE 1967
CHUKCHI SEA	BERZIN & KUZ'MIN 1975 DARLING 1973 RICE 1967 RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
GULF OF ALASKA	RICE 1967 SEVERINGHAUS 1979
MEXICO	RICE 1967

NOT AREA SPECIFIC

AINLEY ET AL. 1980
ARNASON 1974
ARNASON ET AL. 1982
AUDUBON 1975
BARNES & MCLEOD 1984
DARLING 1973
ELLERMAN & MORRISON-SCOTT 1951
GASKIN 1976
HARRISON & KING 1965
HERSHKIVITZ 1966
HILL 1975
RICE 1977
SCHEVILL 1952
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
TOMILIN 1954
WILLIAMSON 1983
WOLMAN 1985

NORTH ATLANTIC

FLOWER 1872
FRASER 1970
LARSON 1917
LILLJEBORG 1866
LUBBOCK 1937
MEAD & MITCHELL 1984
VAN DEINSE & JUNGE 1937

NORTH PACIFIC

COPE 1868a
COPE 1868b
COPE 1869
COPE 1879
DARLING 1973
GILMORE 1960a
KRASHENINNIKOV 1775
MASER ET AL. 1981
RICE 1967
RICE & WOLMAN 1971
SEVERINGHAUS 1979
TOMILIN 1957
TRUE 1904
VON DITMAR 1890

OREGON

MASER ET AL. 1981

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Biology: Taxonomy

SOVIET UNION

KRASHENINNIKOV 1775
VON DITMAR 1890

Biology: Techniques

ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	SEVERINGHAUS 1979
BERING SEA	NELSON & JOHNSON 1984 SEVERINGHAUS 1979
CALIFORNIA	MALME & MILES 1983 MALME ET AL. 1983c MALME ET AL. 1983d MALME ET AL. 1985b SCHAFFER ET AL. 1983
CHUKCHI SEA	NELSON & JOHNSON 1984 SEVERINGHAUS 1979
GULF OF ALASKA	SEVERINGHAUS 1979
NOT AREA SPECIFIC	BENNETT & LJUNGBLAD 1983 CURRAN & ASHER 1974 DUFFIELD 1974 FAY ET AL. 1979 FOLLMANN & MILLER 1981 GERACI & ST. AUBIN 1982e GERACI & ST. AUBIN 1982k JONGGAARD 1969 MALME ET AL. 1983c MALME ET AL. 1983d MALME ET AL. 1985b MERCER ET AL. 1978 MORRIS 1972 RUUD 1945 SCHAFFER ET AL. 1983 SMITH & WAHRENBROCK 1974 SWEENEY & MATTSSON 1974 WAHRENBROCK ET AL. 1974 WATKINS 1985b ZIMUSHKO 1970e
NORTH PACIFIC	MALME & MILES 1983 MALME ET AL. 1983c MALME ET AL. 1983d MALME ET AL. 1985b SCHAFFER ET AL. 1983 SEVERINGHAUS 1979

Commercial Whaling: Historic commercial whaling

NORTH PACIFIC

MITCHELL 1979a

Contaminants: Drilling muds

NOT AREA SPECIFIC

RICHARDSON ET AL. 1983a

Contaminants: Mercury

CALIFORNIA	SCHAFER ET AL. 1983
NOT AREA SPECIFIC	SCHAFER ET AL. 1983
NORTH PACIFIC	SCHAFER ET AL. 1983

Contaminants: Trace metals

BEAUFORT SEA	NEWBURY 1979
CALIFORNIA	SCHAFER ET AL. 1983
NOT AREA SPECIFIC	NEWBURY 1979 SCHAFER ET AL. 1983
NORTH PACIFIC	SCHAFER ET AL. 1983

Ecology: Models

BEAUFORT SEA	APPLIED SCI. ASSOC. ET AL 1985
BERING SEA	APPLIED SCI. ASSOC. ET AL 1985
CHUKCHI SEA	APPLIED SCI. ASSOC. ET AL 1985
GULF OF ALASKA	APPLIED SCI. ASSOC. ET AL 1985

	CORBETT 1966
ALASKA	WURSIG ET AL. 1985b
ARCTIC	ALDRICH 1899
BEAUFORT SEA	ALDRICH 1899 DARLING 1973 GALES 1982 HOLLIDAY ET AL. 1980 LJUNGBLAD 1981 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MOORE ET AL. 1984a TOMILIN 1957 WURSIG ET AL. 1985b
BERING SEA	DARLING 1973 JONES ET AL. 1984 LJUNGBLAD 1981 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MOORE & LJUNGBLAD 1984 MOORE ET AL. 1984a MOORE ET AL. 1984b TOMILIN 1957
CALIFORNIA	ASA-DORIAN & PERKINS 1967 CLARK ET AL. 1983a COUSTEAU & DIOLE 1972 CUMMINGS ET AL. 1967 CUMMINGS ET AL. 1968 DARLING 1973 NMFS 1974 RASMUSSEN & HEAD 1965
CANADA	COUSTEAU & DIOLE 1972 WURSIG ET AL. 1985b
CHUKCHI SEA	ALDRICH 1899 DARLING 1973 HOLLIDAY ET AL. 1980

Ecology: Sounds

JONES ET AL. 1984
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MOORE & LJUNGBLAD 1984
MOORE ET AL. 1984a
MOORE ET AL. 1984b
TOMILIN 1957

GULF OF ALASKA

GALES 1982
JONES ET AL. 1984

MEXICO

ASA-DORIAN & PERKINS 1967
COUSTEAU & DIOLE 1972
DAHLHEIM 1983a
DAHLHEIM 1983b
DAHLHEIM & FISHER 1983
DAHLHEIM ET AL. 1984
HUBBS 1966
JONES ET AL. 1984
NMFS 1974
NORRIS ET AL. 1977
POULTER 1968
RASMUSSEN & HEAD 1965
SWARTZ & CUMMINGS 1978

NOT AREA SPECIFIC

ALDRICH 1899
BIRD 1983
DARLING 1973
FISH ET AL. 1974
GALES 1982
JEHL ET AL. 1980
JONES ET AL. 1984
KINNE 1975
MALME ET AL. 1983a
MATTHEWS 1975
NMFS 1974
NORRIS 1969
NORRIS, ED 1977
SCHEVILL N.D.
SLIJPER 1962b
THOMPSON, T. J. ET AL. 1979
TOMILIN 1955
WATKINS 1985a

NORTH PACIFIC

WENZ 1964

ASA-DORIAN & PERKINS 1967

CLARK 1985

CLARK ET AL. 1983a

COUSTEAU & DIOLE 1972

CUMMINGS ET AL. 1967

CUMMINGS ET AL. 1968

DAHLHEIM 1983a

DAHLHEIM 1983b

DAHLHEIM & FISHER 1983

DAHLHEIM ET AL. 1984

DARLING 1973

EBERHARDT & EVANS 1962

GALES 1982

HUBBS 1966

JONES ET AL. 1984

NMFS 1974

NORRIS ET AL. 1977

POULTER 1968

RASSMUSSEN & HEAD 1965

SWARTZ & CUMMINGS 1978

TOMILIN 1957

Ecology: Strandings

BEAUFORT SEA	LJUNGBLAD ET AL. 1985d PIKE 1956
BERING SEA	KILLINGLEY 1980 LJUNGBLAD ET AL. 1985d PIKE 1956
CALIFORNIA	BROWNELL 1971 HENDERSON J 1981 KILLINGLEY 1980 ORR 1969 PATTEN & SARUBA 1979 PIKE & MACASKIE 1969 SCHONEWALD & SZCZEPANIAK 1971 SULLIVAN & HOUCK 1979
CANADA	DARLING 1978b
CHUKCHI SEA	LJUNGBLAD ET AL. 1985d PIKE 1956
JAPAN	NISHIWAKI & KASUYA 1970
NOT AREA SPECIFIC	AINLEY ET AL. 1980 FAY ET AL. 1979 GERACI & ST. AUBIN 1982a
NORTH PACIFIC	BROWNELL 1971 DARLING 1978b EVERITT ET AL. 1979 EVERITT, R. D. ET AL. 1980 GEIGER ET AL. 1981 HENDERSON J 1981 KILLINGLEY 1980 NISHIWAKI & KASUYA 1970 ORR 1969 PATTEN & SARUBA 1979 PIKE 1956 PIKE & MACASKIE 1969 SCHONEWALD & SZCZEPANIAK 1971 SULLIVAN & HOUCK 1979
OREGON	EVERITT, R. D. ET AL. 1980
WASHINGTON STATE	EVERITT ET AL. 1979 EVERITT, R. D. ET AL. 1980

GEIGER ET AL. 1981

Ecology: Techniques

	OLIVER & KVITEK 1984
BEAUFORT SEA	BIRD 1985 HOBBS & GOEBEL 1982 MATE & HARVEY 1982a RICE & WOLMAN 1971
BERING SEA	JOHNSON & NELSON 1984 JOHNSON & NELSON N.D. JONES ET AL. 1984 NELSON & JOHNSON 1984 NELSON ET AL. 1983 NERINI 1981 NERINI 1984 NERINI ET AL. 1981 RICE & WOLMAN 1971
CALIFORNIA	CLARK ET AL. 1983a EVANS 1974 MATE & HARVEY 1984
CANADA	OLIVER ET AL. 1984
CHUKCHI SEA	JOHNSON & NELSON 1984 JOHNSON & NELSON N.D. JONES ET AL. 1984 NELSON & JOHNSON 1984 NERINI 1981 NERINI 1984 RICE & WOLMAN 1971
GULF OF ALASKA	JONES ET AL. 1984 MATE & HARVEY 1984
MEXICO	DAHLHEIM 1983b FOLLMANN 1979 HARVEY & MATE 1984 JONES & SWARTZ 1984a JONES ET AL. 1984 MATE 1979 MATE & HARVEY 1982a MATE & HARVEY 1982b MATE & HARVEY 1984 MATE ET AL. 1983a NORRIS & GENTRY 1974 NORRIS ET AL. 1977

Ecology: Behavior

- ALASKA** MALME ET AL. 1985a
MILES & MALME 1983
RUGH & BRAHAM 1979
WURSIG ET AL. 1985b
- ARCTIC** COWLES 1981a
REED ET AL. 1984
SCHEFFER 1978
- ATLANTIC** HUBBS 1958
NEMOTO 1959
- BEAUFORT SEA** BAILEY & HENDEE 1926
BIRD 1985
COWLES 1981a
DARLING 1973
HOBBS & GOEBEL 1982
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MARQUETTE & BRAHAM 1982
MATE & HARVEY 1982a
MOORE ET AL. 1984a
NOAA 1984
NEMOTO 1959
REED ET AL. 1984
RICE & WOLMAN 1971
RIDGEWAY 1972
SCAMMON 1874
TOMILIN 1957
WURSIG ET AL. 1985b
- BERING SEA** BAILEY & HENDEE 1926
BELDA ET AL. 1969
BOGOSLOVSKAYA ET AL. 1981
COWLES 1981a
DARLING 1973
FAY 1963
GILL & HALL 1983
GILMORE 1960a
GILMORE 1969
HESSING 1983
HILLS & VALENTINE 1982
JONES ET AL. 1984

KUZ'MIN & BERZIN 1975
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MAHER 1960
MALME 1985
MALME ET AL. 1984a
MARQUETTE & BRAHAM 1982
MINERALS MANAGEMENT SERV 1983a
MOORE ET AL. 1984a
MOORE ET AL. 1984b
NOAA 1984
NELSON & JOHNSON 1984
NEMOTO 1959
NEMOTO 1964
PIKE 1962
RAMSEY 1968
REED ET AL. 1984
REZANOV 1981
RICE 1967
RICE 1970
RICE & WOLMAN 1971
RIDGEWAY 1972
RUGH & BRAHAM 1979
SAUER 1963
SCAMMON 1874
THOMAS 1984
THOMSON 1984b
TOMILIN 1937a
TOMILIN 1957
TOWNSEND 1887
WURSIG ET AL. 1984c

CALIFORNIA

BALDRIDGE 1972
BALDRIDGE 1974
BELDA ET AL. 1969
BURRAGE 1964
CLARK ET AL. 1983a
CLARK ET AL. 1983b
COUSTEAU & DIOLE 1972
CUMMINGS ET AL. 1967
CUMMINGS ET AL. N.D.
DARLING 1973
EVANS 1974

GERACI & ST. AUBIN 1982j
GRIGG & DANA 1969
HUBBS 1958
LEATHERWOOD 1974a
LEATHERWOOD 1974b
LEATHERWOOD 1975
LINDSAY 1967
MALME ET AL. 1984a
MATE & HARVEY 1979
MATE & HARVEY 1981b
MATE & HARVEY 1984
MC NULTY 1973
MILES 1984
MILES & MALME 1983
NMFS 1974
NORRIS ET AL. 1983
PENTIS 1971
RAMSEY 1968
RASMUSSEN & HEAD 1965
RICE 1965
RICE 1970
TREACY 1985
WILSON 1982

CANADA

CARL 1968
COUSTEAU & DIOLE 1972
DARLING 1978a
DARLING 1978b
DARLING 1984
HATLER 1972
HATLER & DARLING 1974
MURISON ET AL. 1984
PATTEN & SAMARAS 1977
PIKE 1962
RICE 1967
STIRLING 1968
WURSIG ET AL. 1985b

CHUKCHI SEA

BAILEY & HENDEE 1926
BOGOSLOVSKAYA ET AL. 1981
COWLES 1981a
DARLING 1973
JONES ET AL. 1984
KUZ'MIN & BERZIN 1975
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a

LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MAHER 1960
MALME ET AL. 1984a
MARQUETTE & BRAHAM 1982
MOORE ET AL. 1984a
MOORE ET AL. 1984b
MOORE ET AL. 1985
NOAA 1984
NELSON & JOHNSON 1984
NEMOTO 1959
PIKE 1962
RAMSEY 1968
REED ET AL. 1984
REZANOV 1981
RICE 1967
RICE 1970
RICE & WOLMAN 1971
RIDGEWAY 1972
SCAMMON 1874
TOMILIN 1957
TOWNSEND 1887
WILKE & FISCUS 1961

GULF OF ALASKA

CUNNINGHAM & STANFORD 1979
HESSING 1983
JONES ET AL. 1984
MATE & HARVEY 1979
MATE & HARVEY 1984
NOAA 1984
PIKE 1962
RICE 1967

MEXICO

BALCOMB 1974
BELDA ET AL. 1969
BOSTIC 1975
BRYANT 1980
BRYANT & LAFFERTY 1980
BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
COUSTEAU & DIOLE 1972
DAHLHEIM 1983b
GARD 1974
GARD 1976
GILMORE 1976b

GILMORE ET AL. 1967
HARVEY & MATE 1984
HUBBS 1958
JONES 1984
JONES & SWARTZ 1984a
JONES ET AL. 1984
LINBERG 1967
LINDSAY 1967
MATE 1979
MATE & HARVEY 1979
MATE & HARVEY 1981a
MATE & HARVEY 1981b
MATE & HARVEY 1982a
MATE & HARVEY 1982b
MATE & HARVEY 1984
MATE ET AL. 1983a
NMFS 1974
NORRIS & GENTRY 1974
NORRIS & PRESCOTT 1961
NORRIS & WURSIG 1979
NORRIS ET AL. 1977
PATTEN & SAMARAS 1977
POULTER 1968
RASSMUSSEN & HEAD 1965
RICE 1967
RICE 1970
SPENCER ET AL. 1967
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1979b
SWARTZ & JONES 1980a
SWARTZ & JONES 1981a
SWARTZ & JONES n.d.
WALKER 1949
WALKER 1971
WHITE 1975

NOT AREA SPECIFIC

AUDUBON 1975
BENNETT ET AL. 1983
BIRD 1983
BIRD 1985
DARLING 1973
EVANS 1974
FOLLMANN & MILLER 1981
GASKIN 1976
GASKIN 1982

Ecology: Behavior

GERACI & ST. AUBIN 1982b
GERACI & ST. AUBIN 1982h
GERACI & ST. AUBIN 1985
HILL 1975
HOBBS & GOEBEL 1982
HOYT 1984
JONES ET AL. 1984
KINNE 1975
LAUBER 1975
LEATHERWOOD ET AL. 1982
MALME ET AL. 1983a
MALME ET AL. 1984a
MALME ET AL. 1984b
MATE 1984
MATE & HARVEY 1982b
MATE & HARVEY 1983
MATE ET AL. 1983b
MATTHEWS 1975
NMFS 1974
NEMOTO 1959
NEMOTO 1964
NEMOTO 1970
NORRIS & GENTRY 1974
NORRIS, ED 1977
OMURA 1971
RAY & SCHEVILL 1974
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
SUMICH 1983
TOMILIN 1955
WALKER 1962
WATKINS 1982b
WELLINGTON & ANDERSON 1978
WOLMAN 1985
WURSIG 1983

NORTH ATLANTIC

MATE ET AL. 1983a

NORTH PACIFIC

ANDREWS 1914
BALCOMB 1974
BALDRIDGE 1972
BALDRIDGE 1974
BELDA ET AL. 1969
BIRD 1985
BOSTIC 1975

BRYANT 1980
BRYANT & LAFFERTY 1980
BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
BURRAGE 1964
CALDWELL & CALDWELL 1963
CARL 1968
CARTER 1965
CLARK 1985
CLARK ET AL. 1983a
CLARK ET AL. 1983b
COPE 1869
COUSTEAU & DIOLE 1972
CUMMINGS ET AL. 1967
CUMMINGS ET AL. N.D.
CUNNINGHAM & STANFORD 1979
DAHLHEIM 1983b
DARLING 1973
DARLING 1978a
DARLING 1978b
DARLING 1984
EVANS 1974
GARD 1974
GARD 1976
GERACI & ST. AUBIN 1982j
GILMORE 1956
GILMORE 1960a
GILMORE 1969
GILMORE 1976b
GILMORE ET AL. 1967
GRIGG & DANA 1969
HARVEY & MATE 1984
HATLER 1972
HATLER & DARLING 1974
HOUCK 1962
HUBBS 1950
HUBBS 1958
JONES 1984
JONES & SWARTZ 1984a
JONES ET AL. 1984
LEATHERWOOD 1974a
LEATHERWOOD 1974b
LEATHERWOOD 1975
LINBERG 1967
LINDSAY 1967
MALME ET AL. 1984a

MALME ET AL. 1984b
MALME ET AL. 1985a
MASER ET AL. 1981
MATE & HARVEY 1979
MATE & HARVEY 1981a
MATE & HARVEY 1981b
MATE & HARVEY 1982a
MATE & HARVEY 1982b
MATE & HARVEY 1983
MATE & HARVEY 1984
MATE ET AL. 1983a
MATE ET AL. 1983b
MC NULTY 1973
MILES 1984
MILES & MALME 1983
MILLER 1975
MURISON ET AL. 1984
NMFS 1974
NOAA 1984
NEMOTO 1959
NEMOTO 1964
NEWMAN 1976
NORRIS & GENTRY 1974
NORRIS & PRESCOTT 1961
NORRIS & WURSIG 1979
NORRIS ET AL. 1977
NORRIS ET AL. 1983
PATTEN & SAMARAS 1977
PENTIS 1971
PIKE 1962
POULTER 1968
RAMSEY 1968
RASMUSSEN & HEAD 1965
RICE 1965
RICE 1967
RICE 1970
RICE & WOLMAN 1971
RIDGEWAY 1972
RUGH & BRAHAM 1979
SAMARAS 1974
SCAMMON 1869
SCAMMON 1874
SCHEFFER 1978
SPENCER ET AL. 1967
STIRLING 1968
SWARTZ & CUMMINGS 1978

SWARTZ & JONES 1979a
SWARTZ & JONES 1979b
SWARTZ & JONES 1980a
SWARTZ & JONES 1981a
SWARTZ & JONES n.d.
TOMILIN 1957
TOWNSEND 1887
TREACY 1985
WALKER 1949
WALKER 1962
WALKER 1971
WELLINGTON & ANDERSON 1978
WHITE 1975
WHITE & MATTHEWS 1956
WILKE & FISCUS 1961
WILSON 1982
WYRICK 1954

OREGON

MASER ET AL. 1981
PATTEN & SAMARAS 1977

WASHINGTON STATE

NEUMAN 1976
PATTEN & SAMARAS 1977

WEST COAST OF NORTH A PIKE 1962

Ecology: Ecology

BERING SEA	JONES ET AL. 1984 MC ALISTER 1981 THOMSON 1984a
CHUKCHI SEA	JONES ET AL. 1984
GULF OF ALASKA	JONES ET AL. 1984
MEXICO	JONES ET AL. 1984
NOT AREA SPECIFIC	JONES ET AL. 1984
NORTH PACIFIC	JONES ET AL. 1984

Ecology: Energetics

CALIFORNIA	SUMICH 1981b
NOT AREA SPECIFIC	GASKIN 1982
	SUMICH 1983
NORTH PACIFIC	SUMICH 1981b

Ecology: Evolution

BERING SEA	JONES ET AL. 1984
CHUKCHI SEA	JONES ET AL. 1984
GULF OF ALASKA	JONES ET AL. 1984
MEXICO	JONES ET AL. 1984
NOT AREA SPECIFIC	ARNASON 1974 ARNASON ET AL. 1982 BARNES & MCLEOD 1984 BENNETT ET AL. 1983 GASKIN 1976 GASKIN 1982 HARRISON & KING 1965 JONES ET AL. 1984 KANWISHER & RIDGWAY 1983 KELLOGG 1928 LUCUS 1966 MILLER, G. S. 1923 SLIJPER 1962a SLIJPER 1979 WALKER 1962
NORTH ATLANTIC	VAN DEINSE & JUNGE 1937
NORTH PACIFIC	JONES ET AL. 1984 WALKER 1962

Ecology: Feeding

	OLIVER & KVITEK 1984
ALASKA	MALME ET AL. 1985a WURSIG ET AL. 1985b
ANTARCTICA	NEMOTO 1957
ARCTIC	COWLES 1981a HERWIG ET AL. 1984 MILLER, R. V. ET AL. 1985
ATLANTIC	HUBBS 1958 NEMOTO 1959
BEAUFORT SEA	BRAITHWAITE 1979 BRAITHWAITE 1979b COWLES 1981a LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d NOAA 1984 NEMOTO 1957 NEMOTO 1959 RICE & WOLMAN 1971 RIDGEWAY 1972 RUGH & FRAKER 1981 TOMILIN 1957 WURSIG ET AL. 1985b
BERING SEA	BERZIN & ROVNIN 1966 BLOHKIN & PAVLYUCHKOV 1983 BLOHKIN & PAVLYUCHKOV N.D. BLOKHIN & PAVLYUCHKOV 1981 BOGOSLOVSKAYA ET AL. 1981 BOGOSLOVSKAYA ET AL. 1982 BRAHAM 1984d BRAHAM ET AL. 1982 COWLES 1981a COWLES 1981b FEDOSEEV 1966 FROST & LOWRY 1981c FROST ET AL. 1982 GILL & HALL 1983 HARRISON 1978 HILLS & VALENTINE 1982

Ecology: Feeding

JOHNSON & NELSON 1984
JOHNSON & NELSON N.D.
JONES ET AL. 1984
KANNENWORFF 1965
KELLOGG 1940
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LOWERY 1982
LOWRY & FROST none
LOWRY, FROST, ET AL. 1982
MAHER 1960
MC ALISTER 1981
MILLER 1984
MILLER, R. V. ET AL. 1985
MOORE & LJUNGBLAD 1984
MOORE ET AL. 1984b
NOAA 1984
NELSON & JOHNSON 1984
NELSON ET AL. 1983
NEMOTO 1957
NEMOTO 1959
NERINI 1981
NERINI 1984
NERINI & OLIVER 1983
NERINI ET AL. 1981
OLIVER 1981
OLIVER 1983
OLIVER & SLATTERY 1985
OLIVER ET AL. 1983
PIKE 1962
REZANOV 1981
RICE 1970
RICE 1972
RICE & WOLMAN 1971
RIDGEWAY 1972
SLEPTSOV 1961
THOMAS 1984
THOMSON 1984a
THOMSON 1984b
THOMSON & MARTIN 1984
TOMILIN 1957
TOWNSEND 1887
WURSIG ET AL. 1984c
YABLOKOV & BOGOSLOVSKAYA 1984

- ZIMUSHKO & LENSKAYA 1970
- CALIFORNIA**
- COUSTEAU & DIOLE 1972
HUBBS 1958
KASUYA & RICE 1970
NMFS 1974
NORRIS ET AL. 1983
PIKE & MACASKIE 1969
RICE 1970
SUND 1975
- CANADA**
- CARL 1968
COUSTEAU & DIOLE 1972
DARLING 1978b
DARLING 1984
HATLER & DARLING 1974
HUDNALL 1981
MURISON ET AL. 1984
OLIVER 1983
OLIVER ET AL. 1984
PIKE 1962
STIRLING 1968
WURSIG ET AL. 1985b
- CHUKCHI SEA**
- BERZIN & ROVNIN 1966
BLOHKIN & PAVLYUCHKOV 1983
BLOHKIN & PAVLYUCHKOV N.D.
BLOKHIN 1984a
BLOKHIN & PAVLYUCHKOV 1981
BOGOSLOVSKAYA ET AL. 1981
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1984d
BRAITHWAITE 1979b
COWLES 1981a
DAVIS & THOMSON 1984
FEDOSEEV 1966
FROST ET AL. 1983
HARRISON 1978
JOHNSON & NELSON 1984
JOHNSON & NELSON N.D.
JONES ET AL. 1984
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MAHER 1960

Ecology: Feeding

MILLER, R. V. ET AL. 1985
MOORE & LJUNGBLAD 1984
MOORE ET AL. 1984b
NOAA 1984
NELSON & JOHNSON 1984
NEMOTO 1957
NEMOTO 1959
NERINI 1981
NERINI 1984
NERINI & OLIVER 1983
OLIVER 1981
PIKE 1962
REZANOV 1981
RICE 1970
RICE 1972
RICE & WOLMAN 1971
RIDGEWAY 1972
SLEPTSOV 1961
TOMILIN 1957
TOWNSEND 1887
WILKE & FISCUS 1961
YABLOKOV & BOGOSLOVSKAYA 1984
ZIMUSHKO & LENS KAYA 1970

GULF OF ALASKA

BRAHAM 1984d
CONSIGLIERI & BRAHAM 1982
JONES ET AL. 1984
NOAA 1984
NEMOTO 1957
PIKE 1962

KOREA

YABLOKOV & BOGOSLOVSKAYA 1984

MEXICO

COUSTEAU & DIOLE 1972
HUBBS 1958
JONES ET AL. 1984
MATTHEWS 1932
NMFS 1974
NORRIS & WURSIG 1979
NORRIS ET AL. 1977
OLIVER ET AL. 1983
RICE 1970
WALKER 1949
WALKER 1971

NOT AREA SPECIFIC

ALLEN, K. R. 1980

BARNARD 1969
BENNETT ET AL. 1983
BRAHAM 1981a
GASKIN 1976
GASKIN 1982
HERWIG ET AL. 1984
HOSOKAWA & KAMIYA 1971
HOYT 1984
JONES ET AL. 1984
KANWISHER & RIDGWAY 1983
KASUYA & RICE 1970
KAWAMURA 1975
KLUMOV 1984
NMFS 1974
NEMOTO 1959
NEMOTO 1970
NERINI 1984
PIVORUNAS 1976
RAY & SCHEVILL 1974
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
TOMILIN 1946
TOMILIN 1955
WALKER 1962
WELLINGTON & ANDERSON 1978
MURSIG 1983

NORTH PACIFIC

BERZIN & ROVNIN 1966
CARL 1968
COUSTEAU & DIOLE 1972
DARLING 1978b
DARLING 1984
EVERITT, R. D. ET AL. 1980
HATLER & DARLING 1974
HERWIG ET AL. 1984
HOWELL & HUEY 1930
HUBBS 1958
HUDNALL 1981
JONES ET AL. 1984
KANNENWORFF 1965
KASUYA & RICE 1970
KELLOGG 1940
KVITEK & OLIVER 1986
MACKINTOSH 1946
MALME ET AL. 1985a

Ecology: Feeding

MASER ET AL. 1981
MATTHEWS 1932
MILLER 1975
MURISON ET AL. 1984
NMFS 1974
NOAA 1984
NEMOTO 1957
NEMOTO 1959
NERINI 1984
NORRIS & WURSIG 1979
NORRIS ET AL. 1977
NORRIS ET AL. 1983
OLIVER 1983
OLIVER & SLATTERY 1985
OLIVER ET AL. 1983
OLIVER ET AL. 1984
PIKE 1962
PIKE & MACASKIE 1969
RICE 1970
RICE 1972
RICE & WOLMAN 1971
RIDGEWAY 1972
SIMENSTAD ET AL. 1979
SLEPTSOV 1961
STIRLING 1968
SUND 1975
TOMILIN 1957
TOWNSEND 1887
WALKER 1949
WALKER 1962
WALKER 1971
WELLINGTON & ANDERSON 1978
WILKE & FISCUS 1961
YABLOKOV & BOGOSLOVSKAYA 1984
ZENKOVICH 1937

OKHOTSK SEA

YABLOKOV & BOGOSLOVSKAYA 1984

OREGON

EVERITT, R. D. ET AL. 1980
MASER ET AL. 1981

SOVIET UNION

MILLER, R. V. ET AL. 1985

WASHINGTON STATE

EVERITT, R. D. ET AL. 1980
SIMENSTAD ET AL. 1979

Ecology: Feeding

WEST COAST OF NORTH A PIKE 1962

Ecology: Habitat

	OLIVER & KVITEK 1984
ALASKA	WURSIG ET AL. 1985b
ANTARCTICA	NEMOTO 1957
ARCTIC	FAO 1978 MILLER, R. V. ET AL. 1985
BEAUFORT SEA	BURNS ET AL. 1981 DARLING 1973 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1985d NASU 1960 NOAA 1984 NEMOTO 1957 RICE & WOLMAN 1971 TOMILIN 1957 WURSIG ET AL. 1985b
BERING SEA	BURNS ET AL. 1981 DARLING 1973 FAO 1978 HILLS & VALENTINE 1982 JOHNSON & NELSON N.D. JONES ET AL. 1984 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1985d MAHER 1960 MILLER, R. V. ET AL. 1985 NASU 1960 NOAA 1984 NELSON & JOHNSON 1984 NEMOTO 1957 NERINI 1981 OLIVER 1983 OLIVER & SLATTERY 1985 RICE & WOLMAN 1971 THOMSON 1984b TOMILIN 1957
CALIFORNIA	DARLING 1973 EVANS 1974
CANADA	DARLING 1978b OLIVER 1983

	WURSIG ET AL. 1985b
CHUKCHI SEA	BURNS ET AL. 1981 DARLING 1973 JOHNSON & NELSON N.O. JONES ET AL. 1984 LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1985d MAHER 1960 MILLER, R. V. ET AL. 1985 MOORE ET AL. 1985 NASU 1960 NOAA 1984 NELSON & JOHNSON 1984 NEMOTO 1957 NERINI 1981 RICE & WOLMAN 1971 TOMILIN 1957
GULF OF ALASKA	JONES ET AL. 1984 NOAA 1984 NEMOTO 1957
MEXICO	GILMORE ET AL. 1967 JONES & SWARTZ 1984a JONES ET AL. 1984 SWARTZ & JONES 1979a SWARTZ & JONES 1980a SWARTZ & JONES 1981b SWARTZ & JONES n.d. WALKER 1949
NOT AREA SPECIFIC	BARTHOLOMEW 1974 CLARKE, R. 1957 DARLING 1973 EVANS 1974 FAO 1978 GASKIN 1976 GASKIN 1982 HOYT 1984 JONES ET AL. 1984 KINNE 1975 RAY, G. C. 1983 RAY, G. C., & MILLER 1982
NORTH ATLANTIC	FAO 1978

Long Term Effects: Disturbance

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981
CHUKCHI SEA	COWLES ET AL. 1981
JAPAN	NISHIWAKI & SASAO 1977
MEXICO	GARD 1974 LITCHFIELD 1971 REEVES 1977
NOT AREA SPECIFIC	PAYNE 1977
NORTH PACIFIC	GARD 1974 LITCHFIELD 1971 NISHIWAKI & SASAO 1977 REEVES 1977

Long Term Effects: Habitat Abandonment

BERING SEA	NELSON & JOHNSON 1984
CHUKCHI SEA	NELSON & JOHNSON 1984
JAPAN	OMURA 1984
MEXICO	BRYANT ET AL. 1984 GARD 1974 LITCHFIELD 1971 REEVES 1977
NOT AREA SPECIFIC	PAYNE 1977
NORTH PACIFIC	BRYANT ET AL. 1984 GARD 1974 HERMAN ET AL. 1980 LITCHFIELD 1971 MARX 1966 OMURA 1984 REEVES 1977

Long Term Effects: Migration alteration

CALIFORNIA

CUMMINGS ET AL. N.D.
DOHL & GUESS N.D.
MILES 1984
POOLE 1984a
RICE 1965
TREACY 1985
WOLFSON 1977

JAPAN

NISHIWAKI & SASAO 1977

NORTH PACIFIC

CUMMINGS ET AL. N.D.
DOHL & GUESS N.D.
MILES 1984
NISHIWAKI & SASAO 1977
POOLE 1984a
RICE 1965
TREACY 1985
WOLFSON 1977

Long Term Effects: Reduction in prey

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981
CHUKCHI SEA	COWLES ET AL. 1981

Noise: Aircraft

BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 COWLES ET AL. 1981 LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MOORE ET AL. 1984a
BERING SEA	BRAHAM ET AL. 1982 COWLES ET AL. 1981 LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MALME ET AL. 1984a MOORE ET AL. 1984a
CALIFORNIA	MALME ET AL. 1984a
CHUKCHI SEA	COWLES ET AL. 1981 LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MALME ET AL. 1984a MOORE ET AL. 1984a
MEXICO	POULTER 1968
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 BIRD 1983 MALME ET AL. 1983a MALME ET AL. 1984a RICHARDSON ET AL. 1983a
NORTH PACIFIC	MALME ET AL. 1984a POULTER 1968

Noise: Ambient

ALASKA	MALME ET AL. 1985a
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 CUMMINGS ET AL. N.O. HOLLIDAY ET AL. 1980 MOORE ET AL. 1984a
BERING SEA	MALME 1985 MOORE ET AL. 1984a
CALIFORNIA	MILES 1984
CHUKCHI SEA	HOLLIDAY ET AL. 1980 MOORE ET AL. 1984a
MEXICO	DAHLHEIM 1983b DAHLHEIM & FISHER 1983 DAHLHEIM ET AL. 1984
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 MALME ET AL. 1983a
NORTH PACIFIC	DAHLHEIM 1983b DAHLHEIM & FISHER 1983 DAHLHEIM ET AL. 1984 MALME ET AL. 1985a MILES 1984

Noise: Disturbance

ALASKA	MILES & MALME 1983
ARCTIC	HILL 1978
BEAUFORT SEA	GALES 1982 LJUNGBLAD ET AL. 1985d
BERING SEA	LECKY ET AL. 1979 LJUNGBLAD ET AL. 1985d
CALIFORNIA	LECKY ET AL. 1979 MILES & MALME 1983 TREACY 1985
CHUKCHI SEA	LJUNGBLAD ET AL. 1985d
GULF OF ALASKA	GALES 1982
MEXICO	JONES & SWARTZ 1984a JONES & SWARTZ 1984b REEVES 1977 SWARTZ & CUMMINGS 1978 SWARTZ & JONES 1979b SWARTZ & JONES 1980a WHITE 1975
NOT AREA SPECIFIC	CUMMINGS 1981 GALES 1982 HILL 1978 POWELL 1976
NORTH PACIFIC	GALES 1982 JONES & SWARTZ 1984a JONES & SWARTZ 1984b LECKY ET AL. 1979 MILES & MALME 1983 REEVES 1977 SWARTZ & CUMMINGS 1978 SWARTZ & JONES 1979b SWARTZ & JONES 1980a TREACY 1985 WHITE 1975

Noise: Dredging

BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 BIRD 1985 COWLES ET AL. 1981 DARLING 1973
BERING SEA	COWLES ET AL. 1981 DARLING 1973 MALME ET AL. 1984a
CALIFORNIA	DARLING 1973 LINDSAY 1967 MALME ET AL. 1984a
CHUKCHI SEA	COWLES ET AL. 1981 DARLING 1973 MALME ET AL. 1984a
MEXICO	BRYANT ET AL. 1984 LINDSAY 1967
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 BIRD 1983 BIRD 1985 DARLING 1973 MALME ET AL. 1983a MALME ET AL. 1984a RICHARDSON ET AL. 1983a
NORTH PACIFIC	BIRD 1985 BRYANT ET AL. 1984 DARLING 1973 LINDSAY 1967 MALME ET AL. 1984a

Noise: Drilling

ALASKA	MALME ET AL. 1985a
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 BIRD 1985 COWLES ET AL. 1981 GALES 1982 MOORE ET AL. 1984a
BERING SEA	COWLES ET AL. 1981 LECKY ET AL. 1979 MALME 1985 MALME ET AL. 1984a MOORE ET AL. 1984a
CALIFORNIA	CLARK ET AL. 1983a CLARK ET AL. 1983b LECKY ET AL. 1979 MALME ET AL. 1984a MILES 1984 TREACY 1985
CHUKCHI SEA	COWLES ET AL. 1981 MALME ET AL. 1984a MOORE ET AL. 1984a
GULF OF ALASKA	GALES 1982
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 BIRD 1983 BIRD 1985 GALES 1982 MALME ET AL. 1983a MALME ET AL. 1984a
NORTH PACIFIC	BIRD 1985 CLARK 1985 CLARK ET AL. 1983a CLARK ET AL. 1983b GALES 1982 LECKY ET AL. 1979 MALME ET AL. 1984a MALME ET AL. 1985a MILES 1984 TREACY 1985

Noise: Explosions

ARCTIC	HILL 1978
NOT AREA SPECIFIC	HILL 1978 JEHL ET AL. 1980 MALME ET AL. 1983a RICHARDSON ET AL. 1983a
NORTH PACIFIC	WYRICK 1954

Noise: Helicopter

ALASKA	MALME ET AL. 1985a
ATLANTIC	HUBBS 1958
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 COWLES ET AL. 1981 GALES 1982 HOLLIDAY ET AL. 1980
BERING SEA	COWLES ET AL. 1981
CALIFORNIA	CLARK ET AL. 1983a HUBBS 1958 MILES 1984 TREACY 1985
CHUKCHI SEA	COWLES ET AL. 1981 HOLLIDAY ET AL. 1980
GULF OF ALASKA	GALES 1982
MEXICO	HUBBS 1958 POULTER 1968
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 BIRD 1983 GALES 1982 MALME ET AL. 1983a RICHARDSON ET AL. 1983a
NORTH PACIFIC	CLARK 1985 CLARK ET AL. 1983a GALES 1982 HUBBS 1958 MALME ET AL. 1985a MILES 1984 POULTER 1968 TREACY 1985

Noise: Seismic

ALASKA	MALME ET AL. 1985a
ARCTIC	HILL 1978
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 BIRD 1985 COWLES ET AL. 1981 CUMMINGS ET AL. N.D. GALES 1982 LJUNGBLAD ET AL. 1982a MOORE ET AL. 1984a
BERING SEA	COWLES ET AL. 1981 DEIS ET AL. 1983 LECKY ET AL. 1979 LJUNGBLAD ET AL. 1982a MALME 1985 MALME ET AL. 1984a MINERALS MANAGEMENT SERV 1983a MINERALS MANAGEMENT SERV 1983b MOORE ET AL. 1984a
CALIFORNIA	CLARK ET AL. 1983a CLARK ET AL. 1983b LECKY ET AL. 1979 MALME & MILES 1983 MALME ET AL. 1984a MILES 1984 TREACY 1985
CHUKCHI SEA	COWLES ET AL. 1981 DAVIS & THOMSON 1984 LJUNGBLAD ET AL. 1982a MALME ET AL. 1984a MOORE ET AL. 1984a
GULF OF ALASKA	GALES 1982
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 BIRD 1983 BIRD 1985 GALES 1982 HILL 1978 JEHL ET AL. 1980 MALME ET AL. 1983a MALME ET AL. 1984a

Noise: Seismic

NORTH PACIFIC

RICHARDSON ET AL. 1983a

BIRD 1985

CLARK 1985

CLARK ET AL. 1983a

CLARK ET AL. 1983b

GALES 1982

LECKY ET AL. 1979

MALME & MILES 1983

MALME ET AL. 1984a

MALME ET AL. 1985a

MILES 1984

TREACY 1985

Noise: Surface vessels

ALASKA	MALME ET AL. 1985a
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 BIRD 1985 COWLES ET AL. 1981 GALES 1982 HOLLIDAY ET AL. 1980 LJUNGBLAD ET AL. 1983 MOORE ET AL. 1984a
BERING SEA	COWLES ET AL. 1981 FISCUS & BRAHAM 1980 JONES ET AL. 1984 LJUNGBLAD ET AL. 1983 MALME 1985 MALME ET AL. 1984a MOORE ET AL. 1984a RAMSEY 1968
CALIFORNIA	COUSTEAU & DIOLE 1972 MALME ET AL. 1984a MILES 1984 RAMSEY 1968 RICE 1965 U. S. COAST GUARD 1975
CANADA	CARL 1967 COUSTEAU & DIOLE 1972
CHUKCHI SEA	COWLES ET AL. 1981 DAVIS & THOMSON 1984 HOLLIDAY ET AL. 1980 JONES ET AL. 1984 LJUNGBLAD ET AL. 1983 MALME ET AL. 1984a MOORE ET AL. 1984a RAMSEY 1968
GULF OF ALASKA	GALES 1982 JONES ET AL. 1984
JAPAN	NISHIWAKI & SASAO 1977 OMURA 1974
MEXICO	BRYANT ET AL. 1984 COUSTEAU & DIOLE 1972

Noise: Surface vessels

DAHLHEIM & FISHER 1983
DAHLHEIM ET AL. 1984
GARD 1974
JONES & SWARTZ 1984a
JONES ET AL. 1984
POULTER 1968
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979b

NOT AREA SPECIFIC

ACOUST. SOC. AM. (USA) 1981
BIRD 1983
BIRD 1985
GALES 1982
JONES ET AL. 1984
MALME ET AL. 1983a
MALME ET AL. 1984a
PAYNE 1977
POWELL 1976
RICHARDSON ET AL. 1983a

NORTH PACIFIC

BIRD 1985
BRYANT ET AL. 1984
CARL 1967
COUSTEAU & DIOLE 1972
DAHLHEIM & FISHER 1983
DAHLHEIM ET AL. 1984
GALES 1982
GARD 1974
JONES & SWARTZ 1984a
JONES ET AL. 1984
MALME ET AL. 1984a
MALME ET AL. 1985a
MARX 1966
MILES 1984
NISHIWAKI & SASAO 1977
OMURA 1974
POULTER 1968
RAMSEY 1968
RICE 1965
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979b
U. S. COAST GUARD 1975
WYRICK 1954

Petroleum Effects on Cetaceans: Avoidance

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
CALIFORNIA	GERACI & ST. AUBIN 1982j
CHUKCHI SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
NOT AREA SPECIFIC	GERACI & ST. AUBIN 1980 GERACI & ST. AUBIN 1982c GERACI & ST. AUBIN 1982h GERACI & ST. AUBIN 1985 NATL. ACAD. OF SCIENCE 1982 RICHARDSON ET AL. 1983a ST. AUBIN ET AL. 1985
NORTH PACIFIC	GERACI & ST. AUBIN 1982j SIMENSTAD ET AL. 1979 NATL. ACAD. OF SCIENCE 1982
WASHINGTON STATE	SIMENSTAD ET AL. 1979

Petroleum Effects on Cetaceans: Detection

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
CALIFORNIA	GERACI & ST. AUBIN 1982j
CHUKCHI SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
NOT AREA SPECIFIC	GERACI & ST. AUBIN 1980 GERACI & ST. AUBIN 1982b GERACI & ST. AUBIN 1982c GERACI & ST. AUBIN 1982h GERACI & ST. AUBIN 1985 NATL. ACAD. OF SCIENCE 1982 RICHARDSON ET AL. 1983a ST. AUBIN ET AL. 1985
NORTH PACIFIC	GERACI & ST. AUBIN 1982j NATL. ACAD. OF SCIENCE 1982

Petroleum Effects on Cetaceans: External Contact

ARCTIC	COWLES 1981a
BEAUFORT SEA	COWLES 1981a COWLES ET AL. 1981
BERING SEA	BRAHAM ET AL. 1982 COWLES 1981a COWLES ET AL. 1981 FISCUS & BRAHAM 1980 NATL. ACAD. OF SCIENCE 1982
CALIFORNIA	BROWNELL 1971 GERACI & ST. AUBIN 1982j ORR 1969
CHUKCHI SEA	COWLES 1981a COWLES ET AL. 1981 DAVIS & THOMSON 1984 NATL. ACAD. OF SCIENCE 1982
NOT AREA SPECIFIC	GERACI & ST. AUBIN 1980 GERACI & ST. AUBIN 1982d GERACI & ST. AUBIN 1982e GERACI & ST. AUBIN 1982h GERACI & ST. AUBIN 1982k GERACI & ST. AUBIN 1985 GERACI ET AL. 1981 NATL. ACAD. OF SCIENCE 1982 RICHARDSON ET AL. 1983a ST. AUBIN & GERACI 1981 ST. AUBIN & GERACI 1983 ST. AUBIN ET AL. 1984 ST. AUBIN ET AL. 1985
NORTH PACIFIC	BROWNELL 1971 GERACI & ST. AUBIN 1982j ORR 1969 NATL. ACAD. OF SCIENCE 1982

Petroleum Effects on Cetaceans: Ingestion

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
CALIFORNIA	BROWNELL 1971
CHUKCHI SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
NOT AREA SPECIFIC	GERACI & ST. AUBIN 1980 GERACI & ST. AUBIN 1982a GERACI & ST. AUBIN 1982g GERACI & ST. AUBIN 1982h GERACI & ST. AUBIN 1982i GERACI & ST. AUBIN 1982k GERACI & ST. AUBIN 1985 NATL. ACAD. OF SCIENCE 1982 RICHARDSON ET AL. 1983a ST. AUBIN & GERACI 1981 ST. AUBIN & GERACI 1983 ST. AUBIN ET AL. 1984
NORTH PACIFIC	BROWNELL 1971 NATL. ACAD. OF SCIENCE 1982

Petroleum Effects on Cetaceans: Inhalation

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
CHUKCHI SEA	COWLES ET AL. 1981 NATL. ACAD. OF SCIENCE 1982
NOT AREA SPECIFIC	GERACI & ST. AUBIN 1982† NATL. ACAD. OF SCIENCE 1982 RICHARDSON ET AL. 1983a ST. AUBIN & GERACI 1983 NATL. ACAD. OF SCIENCE 1982

Petroleum Effects on Cetaceans: Models

ARCTIC	REED ET AL. 1984
BEAUFORT SEA	REED ET AL. 1984
BERING SEA	REED ET AL. 1984
CHUKCHI SEA	REED ET AL. 1984

Petroleum Effects on Cetaceans: Spills

BERING SEA

MINERALS MANAGEMENT SERV 1983b

Population Dynamics: Historical review

	MITCHELL & BREIWICK 1983
ARCTIC	INT. WHALING COMM. 1982a MARTIN 1976
BEAUFORT SEA	INT. WHALING COMM. 1982a TOMILIN 1957
BERING SEA	HENDERSON 1984 INT. WHALING COMM. 1982a KRASHENINNIKOV 1775 KRUPNIK 1984 REILLY 1984a TOMILIN 1957 VON DITMAR 1890
CALIFORNIA	HENDERSON 1984
CANADA	SCOTT 1972
CHUKCHI SEA	INT. WHALING COMM. 1982a KRUPNIK 1984 REILLY 1984a TOMILIN 1957
FLORIDA	ODELL 1983
GULF OF ALASKA	REILLY 1984a
MEXICO	HENDERSON 1984 REILLY 1984a
NOT AREA SPECIFIC	BRAHAM 1984c INT. WHALING COMM. 1982a REILLY 1981a REILLY 1984a SCHEFFER 1975
NORTH ATLANTIC	MEAD & MITCHELL 1984 ODELL 1983
NORTH PACIFIC	HARMER 1928 HENDERSON 1984 INT. WHALING COMM. 1982a KRASHENINNIKOV 1775 MARTIN 1976

Population Dynamics: Historical review

	REILLY 1984a SCOTT 1972 TOMILIN 1957 VON DITMAR 1890
OKHOTSK SEA	HENDERSON 1984 KRUPNIK 1984
UNITED STATES	ODELL 1983
SOVIET UNION	KRASHENINNIKOV 1775 KRUPNIK 1984 VON DITMAR 1890

Population Dynamics: Management

ARCTIC	INT. WHALING COMM. 1982a SCHEFFER 1978
BEAUFORT SEA	ANONYMOUS 1978 BROOKS 1979 INT. WHALING COMM. 1982a MARQUETTE & BRAHAM 1982
BERING SEA	ANONYMOUS 1978 BELDA ET AL. 1969 BROOKS 1979 INT. WHALING COMM. 1982a MARQUETTE & BRAHAM 1982
CALIFORNIA	BELDA ET AL. 1969
CHUKCHI SEA	ANONYMOUS 1978 BROOKS 1979 INT. WHALING COMM. 1982a MARQUETTE & BRAHAM 1982
MEXICO	BELDA ET AL. 1969 HEFFERNAN 1977
NOT AREA SPECIFIC	ALLEN, K. R. 1980 BRAHAM 1984c GASKIN 1976 GASKIN 1982 INT. WHALING COMM. 1982a SCHEFFER 1975 SULLIVAN 1976
NORTH PACIFIC	BELDA ET AL. 1969 HEFFERNAN 1977 INT. WHALING COMM. 1982a SCHEFFER 1978

Population Dynamics: Models

ARCTIC	REED ET AL. 1984
BEAUFORT SEA	REED ET AL. 1984
BERING SEA	REED ET AL. 1984
CHUKCHI SEA	REED ET AL. 1984
NOT AREA SPECIFIC	ALLEN, K. R. 1980 REETZ 1983
NORTH PACIFIC	REETZ 1983

Population Dynamics: Mortality

ARCTIC	INT. WHALING COMM. 1982a SEVERINGHAUS 1979
BEAUFORT SEA	INT. WHALING COMM. 1982a RICE & WOLMAN 1971 SEVERINGHAUS 1979
BERING SEA	GILMORE 1960a INT. WHALING COMM. 1982a PIKE 1962 RICE & WOLMAN 1971 SEVERINGHAUS 1979
CALIFORNIA	BALDRIDGE 1972 BURRAGE 1964 MOREJOHN 1968 ORR 1969 POOLE 1983a REILLY 1984b U. S. COAST GUARD 1975
CANADA	HANCOCK 1965 PIKE 1962
CHUKCHI SEA	INT. WHALING COMM. 1982a PIKE 1962 RICE & WOLMAN 1971 SEVERINGHAUS 1979
GULF OF ALASKA	CONSIGLIERI & BRAHAM 1982 PIKE 1962 SEVERINGHAUS 1979
MEXICO	BRYANT ET AL. 1984 EBERHART & NORRIS 1964 FLEISCHER ET AL. 1983 JONES & SWARTZ 1984a SWARTZ & JONES 1981b SWARTZ & JONES 1983 SWARTZ & JONES n.d.
NOT AREA SPECIFIC	INT. WHALING COMM. 1982a POWELL 1976
NORTH PACIFIC	BALDRIDGE 1972 BRYANT ET AL. 1984

Population Dynamics: Mortality

BURRAGE 1964
EBERHART & NORRIS 1964
FLEISCHER ET AL. 1983
GEIGER ET AL. 1981
GILMORE 1960a
HANCOCK 1965
INT. WHALING COMM. 1982a
JONES & SWARTZ 1984a
MASER ET AL. 1981
MOREJOHN 1968
ORR 1969
PIKE 1962
POOLE 1983a
REILLY 1984b
RICE & VOLMAN 1971
SEVERINGHAUS 1979
SWARTZ & JONES 1981b
SWARTZ & JONES 1983
SWARTZ & JONES n.d.
U. S. COAST GUARD 1975
WHITE & GRIESE 1978

OREGON

MASER ET AL. 1981

WASHINGTON STATE

GEIGER ET AL. 1981

WEST COAST OF NORTH A

PIKE 1962

Population Dynamics: Population structure

ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	LJUNGBLAD ET AL. 1983 RICE & WOLMAN 1971 SEVERINGHAUS 1979
BERING SEA	LJUNGBLAD ET AL. 1983 RICE & WOLMAN 1971 RUGH 1984 SEVERINGHAUS 1979
CALIFORNIA	LEATHERWOOD 1974a POOLE 1984a POOLE 1984b
CHUKCHI SEA	LJUNGBLAD ET AL. 1983 RICE & WOLMAN 1971 SEVERINGHAUS 1979
GULF OF ALASKA	RUGH 1984 SEVERINGHAUS 1979
MEXICO	GILMORE ET AL. 1967
NOT AREA SPECIFIC	BERZIN & YABLOKOV 1978 POOLE 1984b
NORTH PACIFIC	GILMORE ET AL. 1967 HERZING & MATE 1984 LEATHERWOOD 1974a POOLE 1984a POOLE 1984b RICE & WOLMAN 1971 SEVERINGHAUS 1979
OREGON	HERZING & MATE 1984

Population Dynamics: Recruitment

	MITCHELL & BREIWICK 1983
ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	LJUNGBLAD ET AL. 1985d RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	LJUNGBLAD ET AL. 1985d MOORE ET AL. 1984b RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
CALIFORNIA	POOLE 1983a POOLE 1984b REILLY 1984b REILLY ET AL. 1980 REILLY ET AL. 1983 RICE 1961 RICE 1961
CHUKCHI SEA	LJUNGBLAD ET AL. 1985d MOORE ET AL. 1984b RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
GULF OF ALASKA	SEVERINGHAUS 1979
MEXICO	GARD 1976 SWARTZ & JONES 1983
NOT AREA SPECIFIC	ALLEN 1974 ALLEN, K. R. 1980 FOWLER 1984 POOLE 1984b REILLY 1981b REILLY ET AL. 1980
NORTH PACIFIC	GARD 1976 HERZING & MATE 1984 POOLE 1983a POOLE 1984b REILLY 1984b

Population Dynamics: Recruitment

REILLY ET AL. 1980
REILLY ET AL. 1983
RICE 1961
RICE 1961
RICE & WOLMAN 1971
SEVERINGHAUS 1979
SWARTZ & JONES 1983
TOMILIN 1957

OREGON

HERZING & MATE 1984

Population Dynamics: Stock assessment

ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
CALIFORNIA	REILLY ET AL. 1983
CHUKCHI SEA	RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957
GULF OF ALASKA	SEVERINGHAUS 1979
KOREA	BERZIN 1978a BOWEN 1974 BROWNELL & CHUN 1977
NOT AREA SPECIFIC	ALLEN, K. R. 1980 BRAHAM 1984c GAMBELL 1976
NORTH ATLANTIC	MEAD & MITCHELL 1984
NORTH PACIFIC	BERZIN 1978a BOWEN 1974 BROWNELL & CHUN 1977 OHSUMI 1976 REILLY ET AL. 1983 RICE 1975 RICE & WOLMAN 1971 SEVERINGHAUS 1979 TOMILIN 1957

Population Dynamics: Techniques

	RAY, G. C., & WARTZOK 1976
ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	RICE & WOLMAN 1971 SEVERINGHAUS 1979
BERING SEA	LEATHERWOOD ET AL. 1983 RICE & WOLMAN 1971 RUGH 1984 SEVERINGHAUS 1979
CALIFORNIA	MALME ET AL. 1983d MALME ET AL. 1985b MATE & HARVEY 1979 MATE & HARVEY 1981b REILLY 1984b REILLY ET AL. 1983 RICE 1961
CHUKCHI SEA	RICE & WOLMAN 1971 SEVERINGHAUS 1979
GULF OF ALASKA	LEATHERWOOD ET AL. 1983 MATE & HARVEY 1979 RUGH 1984 SEVERINGHAUS 1979
MEXICO	FLEISCHER & CARLSON 1980 HUBBS & HUBBS 1967 MATE & HARVEY 1979 MATE & HARVEY 1981b
NOT AREA SPECIFIC	BRAHAM 1984a GAMBELL 1976 GASKIN 1982 KROGMAN ET AL. 1979a LEATHERWOOD & EVANS 1979 MALME ET AL. 1983d MALME ET AL. 1985b MATE & HARVEY 1983 MERCER ET AL. 1978
NORTH PACIFIC	FLEISCHER & CARLSON 1980 HUBBS & HUBBS 1967 MALME ET AL. 1983d

MALME ET AL. 1985b
MATE & HARVEY 1979
MATE & HARVEY 1981b
MATE & HARVEY 1983
REILLY 1984b
REILLY ET AL. 1983
RICE 1961
RICE & WOLMAN 1971
SEVERINGHAUS 1979

Probability of Encounters with Spills: Models ---

ARCTIC	REED ET AL. 1984
BEAUFORT SEA	REED ET AL. 1984
BERING SEA	REED ET AL. 1984
CHUKCHI SEA	REED ET AL. 1984

Subsistence Whaling: Anthropology

NORTH ATLANTIC

VAN DEINSE & JUNGE 1937

Subsistence Whaling: Conservation

ARCTIC	INT. WHALING COMM. 1982a
BEAUFORT SEA	INT. WHALING COMM. 1982a
BERING SEA	INT. WHALING COMM. 1982a IVASHIN & MINEEV 1978 YABLOKOV & BOGOSLOVSKAYA 1984
CALIFORNIA	REEVES 1984
CHUKCHI SEA	INT. WHALING COMM. 1982a IVASHIN & MINEEV 1978 YABLOKOV & BOGOSLOVSKAYA 1984
GULF OF ALASKA	REEVES 1984
KOREA	YABLOKOV & BOGOSLOVSKAYA 1984
MEXICO	CETUS 1983 REEVES 1984
NOT AREA SPECIFIC	ALLEN, K. R. 1980 AUDUBON 1975 BERZIN & YABLOKOV 1978 CETUS 1983 ENDANGERED SPECIES PROD. 1974 ENVIRONMENTAL LAW INST. 1977 GREENPEACE N.O. HAENEL & FLAHERTY 1983 HILL 1975 HUBBS 1972 INT. WHALING COMM. 1982a MC VAY 1974 MITCHELL 1973 SCHEFFER 1975
NORTH PACIFIC	CETUS 1983 INT. WHALING COMM. 1982a IVASHIN & MINEEV 1978 REEVES 1984 YABLOKOV & BOGOSLOVSKAYA 1984
OKHOTSK SEA	YABLOKOV & BOGOSLOVSKAYA 1984
WASHINGTON STATE	CETUS 1983

Subsistence Whaling: Management

ARCTIC	BRAHAM 1981b BURNS, J. J. 1984 DURHAM 1979c FAO 1978 INT. WHALING COMM. 1982a
BEAUFORT SEA	ANONYMOUS 1978 BIRNIE & SANDBROOK 1979 BRAHAM 1981b BROOKS 1979 BURNS, J. J. 1984 DURHAM 1979c INT. WHALING COMM. 1982a MARQUETTE & BRAHAM 1982 TILLMAN 1977 ZHIRNOV ET AL. 1975
BERING SEA	ANONYMOUS 1978 BIRNIE & SANDBROOK 1979 BRAHAM 1981b BROOKS 1979 BURNS, J. J. 1984 FAO 1978 INT. WHALING COMM. 1982a LOWERY 1982 MARQUETTE & BRAHAM 1982 RICE ET AL. 1984 TILLMAN 1977 ZHIRNOV ET AL. 1975
CHUKCHI SEA	ANONYMOUS 1978 BIRNIE & SANDBROOK 1979 BRAHAM 1981b BROOKS 1979 BURNS, J. J. 1984 DURHAM 1979c INT. WHALING COMM. 1982a MARQUETTE & BRAHAM 1982 RICE ET AL. 1984 TILLMAN 1977 ZHIRNOV ET AL. 1975
GULF OF ALASKA	RICE ET AL. 1984
MEXICO	BEAN 1981 CETUS 1983

NOT AREA SPECIFIC

ALLEN, K. R. 1980
BERZIN & YABLOKOV 1978
BUREAU OF LAND MANAGEMENT 1980
CETUS 1983
DURHAM 1973a
DURHAM 1979c
ENVIRONMENTAL LAW INST. 1977
FAO 1978
GAMBELL 1976
INT. WHALING COMM. 1982a
MARINE MAMMAL COMMISSION 1979
MITCHELL 1973
NOAA 1975a
NOAA 1978c
RAY, G. C. 1983
RAY, G. C., & MILLER 1982
RICE ET AL. 1984
RYAN 1978
SCHEFFER 1975
SULLIVAN 1976
UNITED STATES 1976
UNITED STATES CONGRESS 1976
YABLOKOV & BERZIN 1978

NORTH ATLANTIC

FAO 1978

NORTH PACIFIC

BEAN 1981
BIRNIE & SANDBROOK 1979
CETUS 1983
EVERITT, R. D. ET AL. 1980
FAO 1978
INT. WHALING COMM. 1982a
RICE ET AL. 1984
UNITED STATES CONGRESS 1976

OREGON

EVERITT, R. D. ET AL. 1980

WASHINGTON STATE

CETUS 1983
EVERITT, R. D. ET AL. 1980

Subsistence Whaling: Recent

- RICE 1964
- ARCTIC**
- AK GEOGR. 1979
BRAHAM 1981b
BURNS, J. J. 1984
DURHAM 1979c
FAO 1978
INT. WHALING COMM. 1982a
SCHEFFER 1978
- BEAUFORT SEA**
- AK GEOGR. 1979
BRAHAM 1981b
BROOKS 1957
BROOKS 1979
BURNS, J. J. 1984
DURHAM 1979c
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
LJUNGBLAD ET AL. 1982a
MARQUETTE & BRAHAM 1982
STORRO-PATTERSON 1980b
TILLMAN 1977
- BERING SEA**
- AK GEOGR. 1979
BLOKHIN 1984b
BLOKHIN & VLADIMIROV 1983
BRAHAM 1981b
BROOKS 1957
BROOKS 1979
BURNS, J. J. 1984
FAO 1978
GILMORE 1969
GUSEY 1979
GUSEY 1979b
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
IVASHIN & MINEEV 1978
IVASHIN & MINEEV 1981
KRUPNIK 1982
KRUPNIK 1984
KRUPNIK ET AL. 1983
LJUNGBLAD ET AL. 1982a
MARQUETTE & BRAHAM 1980
MARQUETTE & BRAHAM 1982
RICE 1978
RICE ET AL. 1984

Subsistence Whaling: Recent

	SAPRONOV 1985 STORRO-PATTERSON 1980b TILLMAN 1977 YABLOKOV & BOGOSLOVSKAYA 1984 ZIMUSHKO & IVASHIN 1980
CALIFORNIA	RICE 1978
CANADA	TROWER 1972
CHUKCHI SEA	AK GEOGR. 1979 BLOKHIN 1984a BLOKHIN 1984b BLOKHIN & VLADIMIROV 1983 BRAHAM 1981b BROOKS 1957 BROOKS 1979 BURNS, J. J. 1984 DURHAM 1979c INT. WHALING COMM. 1982a INT. WHALING COMM. 1982d IVASHIN & MINEEV 1978 IVASHIN & MINEEV 1981 KRUPNIK 1982 KRUPNIK 1984 KRUPNIK ET AL. 1983 LJUNGBLAD ET AL. 1982a MARQUETTE & BRAHAM 1980 MARQUETTE & BRAHAM 1982 RICE ET AL. 1984 SAPRONOV 1985 STORRO-PATTERSON 1980b TILLMAN 1977 YABLOKOV & BOGOSLOVSKAYA 1984 ZIMUSHKO & IVASHIN 1980
GULF OF ALASKA	AK GEOGR. 1979 RICE 1978 RICE ET AL. 1984
KOREA	YABLOKOV & BOGOSLOVSKAYA 1984
MEXICO	RICE 1978
NOT AREA SPECIFIC	AUDUBON 1975 BRAHAM 1981a

Subsistence Whaling: Recent

	DURHAM 1979c ENDANGERED SPECIES PROD. 1974 FAO 1978 HILL 1975 INT. WHALING COMM. 1982a LAUBER 1975 MATTHEWS 1975 NOAA 1975a REILLY 1981b RICE ET AL. 1984 RYAN 1978 SCHEFFER 1975 SLIJPER 1979 SPENCE 1980 YABLOKOV & BERZIN 1978
NORTH ATLANTIC	FAO 1978 MITCHELL 1974
NORTH PACIFIC	AK GEOGR. 1979 FAO 1978 GILMORE 1969 INT. WHALING COMM. 1982a IVASHIN & MINEEV 1978 MARX 1966 RICE 1978 RICE ET AL. 1984 SCHEFFER 1978 TROWER 1972 YABLOKOV & BOGOSLOVSKAYA 1984
OKHOTSK SEA	KRUPNIK 1984 YABLOKOV & BOGOSLOVSKAYA 1984
UNITED STATES	MITCHELL 1974
SOVIET UNION	KRUPNIK 1984
WASHINGTON STATE	RICE 1978

Subsistence Whaling: Subsistence whaling - historic

ARCTIC

AK GEOGR. 1979
BRAHAM 1981b
BURNS, J. J. 1984
DURHAM 1979c
INT. WHALING COMM. 1982a
LAUGHLIN & HARPER 1982
MORGAN 1978a

BEAUFORT SEA

AK GEOGR. 1979
BAILEY & HENDEE 1926
BRAHAM 1981b
BROOKS 1957
BURNS, J. J. 1984
DURHAM 1979c
HEIZER 1968
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
LAUGHLIN & HARPER 1982
MORGAN 1978a
NOAA 1984
SCAMMON 1874
STORRO-PATTERSON 1980b

BERING SEA

AK GEOGR. 1979
BAILEY & HENDEE 1926
BRAHAM 1981b
BROOKS 1957
BURNS, J. J. 1984
GUSEY 1979
GUSEY 1979b
HEIZER 1968
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
IVASHIN & MINEEV 1981
KRUPNIK 1982
KRUPNIK 1984
KRUPNIK ET AL. 1983
LAUGHLIN & HARPER 1982
MARQUETTE & BRAHAM 1980
MORGAN 1978a
NOAA 1984
O'LEARY 1984
RICE 1970
RICE ET AL. 1984
SCAMMON 1874
STORRO-PATTERSON 1980b

Subsistence Whaling: Subsistence whaling - historic

	ZIMUSHKO & IVASHIN 1980
CALIFORNIA	RICE 1970
CANADA	BOAS 1909 O'LEARY 1984 PROVINCIAL ARCHIVES 1966 SCOTT 1972 VAN ARSDELL 1972
CHUKCHI SEA	AK GEOGR. 1979 BAILEY & HENDEE 1926 BRAHAM 1981b BROOKS 1957 BURNS, J. J. 1984 DURHAM 1979c HEIZER 1968 INT. WHALING COMM. 1982a INT. WHALING COMM. 1982d IVASHIN & MINEEV 1981 KRUPNIK 1982 KRUPNIK 1984 KRUPNIK ET AL. 1983 LAUGHLIN & HARPER 1982 MARQUETTE & BRAHAM 1980 MORGAN 1978a NOAA 1984 RICE 1970 RICE ET AL. 1984 SCAMMON 1874 STORRO-PATTERSON 1980b ZIMUSHKO & IVASHIN 1980
GULF OF ALASKA	AK GEOGR. 1979 NOAA 1984 O'LEARY 1984 RICE ET AL. 1984
JAPAN	ANONYMOUS 1890 ANONYMOUS 1937 HASHIURA 1969 KANDORIYA 1760 OMURA 1984 OTSUKI 1980 SHIBUSAWA 1939 TADA 1978

Subsistence Whaling: Subsistence whaling - historic

	YOSHIHARA 1974
MEXICO	RICE 1970
NOT AREA SPECIFIC	AUDUBON 1975 DURHAM 1973a DURHAM 1979c INT. WHALING COMM. 1982a MATTHEWS 1975 MC VAY 1974 REILLY 1981b RICE ET AL. 1984 SPENCE 1980 WALKER 1962
NORTH PACIFIC	AK GEOGR. 1979 ANONYMOUS 1890 ANONYMOUS 1937 ANONYMOUS 1949 BOAS 1909 COPE 1869 HASHIURA 1969 INT. WHALING COMM. 1982a JEWITT 1815 KANDORIYA 1760 KIRK & DAUGHERTY 1974 MITCHELL 1979a NOAA 1984 O'LEARY 1984 OHSUMI 1976 OMURA 1984 OTSUKI 1980 PROVINCIAL ARCHIVES 1966 REAGAN 1925 RICE 1970 RICE ET AL. 1984 SCAMMON 1869 SCAMMON 1874 SCHAFER & SLIPP 1948 SCOTT 1972 SHIBUSAWA 1939 STIRLING 1945 SWAN 1870 SWANSON 1956 TADA 1978 VAN ARSDELL 1972

Subsistence Whaling: Subsistence whaling - historic

	WALKER 1962
	WATERMAN 1920
	YOSHIHARA 1974
OKHOTSK SEA	KRUPNIK 1984
SOVIET UNION	KRUPNIK 1984
WASHINGTON STATE	ANONYMOUS 1949
	KIRK & DAUGHERTY 1974
	O'LEARY 1984
	SWANSON 1956

ADAMS & DRONENBERG 1980
ARVY 1978
CORBETT 1966
DOHL ET AL. 1980
FLEISCHER 1979
GERACI 1980
GILMORE 1959
GILMORE 1961b
GILMORE 1976a
GOEBEL & DAHLHEIM 1979
GOODWIN & HOLLOWAY 1972
HILL 1897
KLEVEZAL 1972
LAWSON 1983
LEATHERWOOD ET AL. 1972
MITCHELL 1979b
MITCHELL & BREIWICK 1983
NELSON & TRUE 1886
OHSUMI 1979
OLIVER & KVITEK 1984
RAY, G. C., & WARTZOK 1976
REILLY 1980
RICE 1964
RICE 1974
RICE & WOLMAN 1967
RUGH 1980
SCHULTZ & PYLE. 1965
SLIJPER 1956
SWARTZ 1980
TILLMAN 1981
TURNER 1886
VILLA-RAMIREZ 1975
WOLMAN & RICE 1979
YABLOKOV ET AL. 1972
ZENKOVICH 1954
ZENKOVICH 1956
ZHEMKOVA 1965

Alaska

MALME ET AL. 1985a
MILES & MALME 1983
RICE & WOLMAN 1982
RUGH & BRAHAM 1979
WURSIG ET AL. 1985b

Antarctica

NEMOTO 1957

Arctic

AK GEOGR. 1979
ALDRICH 1899
BERZIN 1978b
BRAHAM 1981b
BURNS, J. J. 1984
COWLES 1981a
DURHAM 1979c
FAO 1978
HERWIG ET AL. 1984
HILL 1978
INT. WHALING COMM. 1982a
KELLOGG 1929
LAUGHLIN & HARPER 1982
MARTIN 1976
MILLER, R. V. ET AL. 1985
MORGAN 1978a
REED ET AL. 1984
SCHEFFER 1978
SEVERINGHAUS 1979

Atlantic

CEDERLUND 1939
COPE 1868a
COPE 1868b
DEINSE & JUNGE 1937
DUDLEY 1725
ERXLEBEN 1777
GRAY 1864
GRAY 1865
GRAY 1866
HUBBS 1958
LILLJEBORG 1861
LILLJEBORG 1867
NEMOTO 1959
TRUE 1904

Beaufort Sea

ACOUST. SOC. AM. (USA) 1981
AK GEOGR. 1979
ALBERT 1981a
ALBERT & PHILO 1979
ALDRICH 1899
ANONYMOUS 1978
APPLIED SCI. ASSOC. ET AL 1985
BAILEY & HENDEE 1926
BEE & HALL 1956
BERZIN 1978b
BERZIN & KUZ'MIN 1975
BIRD 1985
BIRNIE & SANDBROOK 1979
BRAHAM 1981b
BRAHAM 1982a
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977d
BRAITHWAITE 1979
BRAITHWAITE 1979b
BROOKS 1957
BROOKS 1979
BURNS ET AL. 1981
BURNS, J. J. 1984
COWLES 1981a
COWLES ET AL. 1981
CUMMINGS ET AL. N.O.
DARLING 1973
DURHAM 1979c
GALES 1982
HEIZER 1968
HOBBS & GOEBEL 1982
HOLLIDAY ET AL. 1980
HURLEY & MOHR 1957
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
ISAKSON ET AL. 1975
KELLOGG 1931
LAUGHLIN & HARPER 1982
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MARQUETTE & BRAHAM 1982
MATE & HARVEY 1982a
MIGAKI 1979a
MIGAKI 1981
MOORE ET AL. 1984a
MORGAN 1978a
NASU 1960

Beaufort Sea

NMFS 1980
 NOAA 1975b
 NOAA 1984
 NEMOTO 1957
 NEMOTO 1959
 NEWBURY 1979
 PIKE 1956
 REED ET AL. 1984
 RICE & WOLMAN 1971
 RIDGEWAY 1972
 RUGH & FRAKER 1981
 SCAMMON 1874
 SCIENCE APPL., INC. 1980
 SEVERINGHAUS 1979
 SINETI 1978
 STORRO-PATTERSON 1980b
 TILLMAN 1977
 TOMILIN 1957
 TOWNSEND 1935
 WURSIG ET AL. 1985b
 ZHIRNOV ET AL. 1975

Bering Sea

AK GEOGR. 1979
ANONYMOUS 1978
APPLIED SCI. ASSOC. ET AL 1985
ARSEN'YEV 1961
ARSEN'YEV ET AL. 1973
BAILEY & HENDEE 1926
BARABUSH-NIKIFOROV 1938
BEE & HALL 1956
BELDA ET AL. 1969
BERZIN 1978b
BERZIN 1984
BERZIN & KUZ'MIN 1975
BERZIN & ROVNIN 1966
BIRNIE & SANDBROOK 1979
BLOHKIN & PAVLYUCHKOV 1983
BLOHKIN & PAVLYUCHKOV N.D.
BLOKHIN 1981
BLOKHIN 1982
BLOKHIN 1984b
BLOKHIN & PAVLYUCHKOV 1981
BLOKHIN & VLADIMIROV 1983
BOGOSLOVSKAYA ET AL. 1981
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1977
BRAHAM 1981b
BRAHAM 1982a
BRAHAM 1984d
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977b
BRAHAM ET AL. 1977c
BRAHAM ET AL. 1977d
BRAHAM ET AL. 1982
BROOKS 1957
BROOKS 1979
BRUEGGEMAN 1983
BRUEGGEMAN ET AL. 1984
BURNS ET AL. 1981
BURNS ET AL. 1985
BURNS, J. J. 1984
CONKLIN 1974
COWLES 1981a
COWLES 1981b
COWLES ET AL. 1981
DARLING 1973
DEIS ET AL. 1983
DOROSHENKO 1981
FAY 1963
FEDOSEEV 1966
FIS'LUS & BRAHAM 1980
FAO 1978

Bering Sea

FROST & LOWRY 1981c
FROST ET AL. 1982
GILL & HALL 1983
GILMORE 1960a
GILMORE 1960b
GILMORE 1969
GILMORE 1978a
GUSEY 1979
GUSEY 1979b
HALL ET AL. 1977
HANSEN 1985
HARRISON 1978
HEIZER 1968
HENDERSON 1984
HESSING 1983
HILLS & VALENTINE 1982
ICHIHARA 1958
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
ISAKSON ET AL. 1975
IVASHIN & MINEEV 1978
IVASHIN & MINEEV 1981
IVASHIN & VOTROGOV 1982
JOHNSON & NELSON 1984
JOHNSON & NELSON N.D.
JONES ET AL. 1984
KANNENWORFF 1965
KELLOGG 1929
KELLOGG 1931
KELLOGG 1940
KENT ET AL. 1983
KILLINGLEY 1980
KINETIC LABORATORIES INC 1983
KINETIC LABS, INC. 1984
KRASHENINNIKOV 1775
KRUPNIK 1982
KRUPNIK 1984
KRUPNIK ET AL. 1983
KUZ'MIN & BERZIN 1975
LAUGHLIN & HARPER 1982
LEATHERWOOD ET AL. 1983
LECKY ET AL. 1979
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LOWERY 1982
LOWRY & FROST none
LOWRY, FROST, ET AL. 1982

Bering Sea

MAHER 1960
MALME 1985
MALME ET AL. 1984a
MARQUETTE & BRAHAM 1980
MARQUETTE & BRAHAM 1982
MC ALISTER 1981
MILLER 1984
MILLER, R. V. ET AL. 1985
MINERALS MANAGEMENT SERV 1983a
MINERALS MANAGEMENT SERV 1983b
MOORE & LJUNGBLAD 1984
MOORE ET AL. 1984a
MOORE ET AL. 1984b
MORGAN 1978a
NASU 1960
NATL. ACAD. OF SCIENCE 1982
NMFS 1980
NOAA 1975b
NOAA 1984
NELSON & JOHNSON 1984
NELSON ET AL. 1983
NEMOTO 1957
NEMOTO 1959
NEMOTO 1964
NERINI 1981
NERINI 1984
NERINI & OLIVER 1983
NERINI ET AL. 1981
O'LEARY 1984
OLIVER 1981
OLIVER 1983
OLIVER & SLATTERY 1985
OLIVER ET AL. 1983
PIKE 1956
PIKE 1962
RAMSEY 1968
RAUSH & FAY 1966
REED ET AL. 1984
REILLY 1984a
REZANOV 1981
RICE 1967
RICE 1970
RICE 1972
RICE 1978
RICE & WOLMAN 1971
RICE ET AL. 1984
RIDGEWAY 1972
RISTING 1928
RUGH 1981
RUGH 1984

Bering Sea

RUGH & BRAHAM 1979
SAPRONOV 1985
SAUER 1963
SCAMMON 1874
SCIENCE APPL., INC. 1980
SEASE 1985
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1955
SLEPTSOV 1961
STEWART ET AL. 1985
STORRO-PATTERSON 1980b
THOMAS 1984
THOMSON 1984a
THOMSON 1984b
THOMSON & MARTIN 1984
TILLMAN 1977
TOMILIN 1937a
TOMILIN 1957
TOWNSEND 1887
TOWNSEND 1935
TRESHCHEV ET AL. 1969
U.S. DIST. COURT FOR AK 1983
VON OITMAR 1890
VOTROGOV & BOGOSLOVSKAYA 1980
WURSIG ET AL. 1984c
YABLOKOV & BOGOSLOVSKAYA 1984
ZENKOVICH 1934
ZHIRNOV ET AL. 1975
ZIMUSHKO 1970a
ZIMUSHKO & IVASHIN 1980
ZIMUSHKO & LENSKEYA 1970

California

ADAMS 1968
ANONYMOUS 1968
ASA-DORIAN & PERKINS 1967
BALDRIDGE 1972
BALDRIDGE 1974
BARHAM 1982
BELDA ET AL. 1969
BROWNELL 1971
BURRAGE 1964
CLARK 1887
CLARK ET AL. 1983a
CLARK ET AL. 1983b
COUSTEAU & DIOLE 1972
CUMMINGS ET AL. 1967
CUMMINGS ET AL. 1968
CUMMINGS ET AL. N.D.
DARLING 1973
DAUGHERTY 1966
DOHL & GUESS N.D.
DOHL ET AL. 1981
EVANS 1974
FISCUS & NIGGOL 1965
GERACI & ST. AUBIN 1982j
GILMORE 1978b
GRIGG & DANA 1969
HENDERSON 1984
HENDERSON J 1981
HUBBS 1958
HUBER ET AL. 1980
KASUYA & RICE 1970
KILLINGLEY 1980
LEATHERWOOD 1974a
LEATHERWOOD 1974b
LEATHERWOOD 1975
LECKY ET AL. 1979
LINDSAY 1967
MALME & MILES 1983
MALME ET AL. 1983b
MALME ET AL. 1983c
MALME ET AL. 1983d
MALME ET AL. 1984a
MALME ET AL. 1985b
MATE & HARVEY 1979
MATE & HARVEY 1981b
MATE & HARVEY 1984
MC NULTY 1973
MILES 1984
MILES & MALME 1983
MOREJOHN 1968
NMFS 1974

California

NORRIS ET AL. 1983
ORR 1969
PATTEN & SARUBA 1979
PENTIS 1971
PIKE & MACASKIE 1969
POOLE 1980
POOLE 1981
POOLE 1983a
POOLE 1983b
POOLE 1984a
POOLE 1984b
RAMSEY 1968
RASSMUSSEN & HEAD 1965
REEVES 1984
REILLY 1984b
REILLY ET AL. 1979
REILLY ET AL. 1980
REILLY ET AL. 1983
RICE 1961
RICE 1965
RICE 1970
RICE 1978
SAYERS 1984
SCHAFER ET AL. 1983
SCHONEWALD & SZCZEPANIAK 1971
STARKS 1922
STORRO-PATTERSON 1981b
SULLIVAN 1983
SULLIVAN & HOUCK 1979
SUMICH 1981b
SUND 1975
SUND & O'CONNOR 1974
TREACY 1985
U. S. COAST GUARD 1975
WILCOX 1895
WILSON 1982
WOLFSON 1977
WOLMAN & WILSON 1970

Canada

BOAS 1909
 CARL 1967
 CARL 1968
 COUSTEAU & DIOLE 1972
 DARLING 1977
 DARLING 1978a
 DARLING 1978b
 DARLING 1979
 DARLING 1984
 HANCOCK 1965
 HATLER 1972
 HATLER & DARLING 1974
 HUDNALL 1981
 MURISON ET AL. 1984
 O'LEARY 1984
 OLIVER 1983
 OLIVER ET AL. 1984
 PATTEN & SAMARAS 1977
 PIKE 1962
 PROVINCIAL ARCHIVES 1966
 RICE 1967
 SCOTT 1972
 STIRLING 1968
 TROWER 1972
 VAN ARSDELL 1972
 WURSIG ET AL. 1985b

China

PEILIE 1978

Chukchi Sea

AK GEOGR. 1979
ALBERT 1981a
ALDRICH 1899
ANONYMOUS 1978
APPLIED SCI. ASSOC. ET AL 1985
ARSEN'YEV ET AL. 1973
BAILEY & HENDEE 1926
BEE & HALL 1956
BERZIN 1978b
BERZIN 1984
BERZIN & KUZ'MIN 1975
BERZIN & ROVNIN 1966
BERZIN & VLADIMIROV 1981
BIRNIE & SANDBROOK 1979
BLOKHIN & PAVLYUCHKOV 1983
BLOKHIN & PAVLYUCHKOV N.D.
BLOKHIN 1979
BLOKHIN 1981
BLOKHIN 1982
BLOKHIN 1984a
BLOKHIN 1984b
BLOKHIN 1984c
BLOKHIN & PAVLYUCHKOV 1981
BLOKHIN & VLADIMIROV 1983
BOGOSLOVSKAYA ET AL. 1981
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1981b
BRAHAM 1982a
BRAHAM 1984d
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977c
BRAHAM ET AL. 1977d
BRAITHWAITE 1979b
BROOKS 1957
BROOKS 1979
BURNS ET AL. 1981
BURNS, J. J. 1984
COWLES 1981a
COWLES ET AL. 1981
DARLING 1973
DAVIS & THOMSON 1984
DOROSHENKO 1981
DURHAM 1979c
FEDOSEEV 1966
FROST ET AL. 1983
GILMORE 1960b
HANSEN 1985
HARRISON 1978
HEIZER 1968
HOLLIDAY ET AL. 1980

Chukchi Sea

HURLEY & MOHR 1957
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
ISAKSON ET AL. 1975
IVASHIN & MINEEV 1978
IVASHIN & MINEEV 1981
IVASHIN & VOTROGOV 1982
JOHNSON & NELSON 1984
JOHNSON & NELSON N.D.
JONES ET AL. 1984
KELLOGG 1929
KELLOGG 1931
KRUPNIK 1982
KRUPNIK 1984
KRUPNIK ET AL. 1983
KUJ'MIN & BERZIN 1975
LAUGHLIN & HARPER 1982
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
MAHER 1960
MALME ET AL. 1984a
MARQUETTE & BRAHAM 1980
MARQUETTE & BRAHAM 1982
MIGAKI 1979a
MIGAKI 1981
MILLER, R. V. ET AL. 1985
MOORE & LJUNGBLAD 1984
MOORE ET AL. 1984a
MOORE ET AL. 1984b
MOORE ET AL. 1985
MORGAN 1978a
NASU 1960
NATL. ACAD. OF SCIENCE 1982
NMFS 1980
NOAA 1975b
NOAA 1984
NELSON & JOHNSON 1984
NEMOTO 1957
NEMOTO 1959
NERINI 1981
NERINI 1984
NERINI & OLIVER 1983
NIKULIN 1946
OLIVER 1981
PIKE 1956
PIKE 1962
RAMSEY 1968

Chukchi Sea

REED ET AL. 1984
 REILLY 1984a
 REZANOV 1981
 RICE 1967
 RICE 1970
 RICE 1972
 RICE & WOLMAN 1971
 RICE ET AL. 1984
 RIDGEWAY 1972
 SAPRONOV 1985
 SCAMMON 1874
 SCIENCE APPL., INC. 1980
 SEASE 1985
 SEVERINGHAUS 1979
 SINETI 1978
 SLEPTSOV 1961
 STORRO-PATTERSON 1980b
 TILLMAN 1977
 TOMILIN 1957
 TOWNSEND 1887
 TOWNSEND 1935
 TRESHCHEV ET AL. 1969
 VOTROGOV & BOGOSLOVSKAYA 1980
 WILKE & FISCUS 1961
 YABLOKOV & BOGOSLOVSKAYA 1984
 ZHIRNOV ET AL. 1975
 ZIMUSHKO 1970a
 ZIMUSHKO & IVASHIN 1980
 ZIMUSHKO & LENSKAYA 1970

Florida

ODELL 1983

Georges Bank

MAZZONE 1983

Gulf of Alaska

AK GEOGR. 1979
APPLIED SCI. ASSOC. ET AL 1985
BRAHAM 1977
BRAHAM 1984d
BRAHAM & MERCER 1978
CONSIGLIERI & BRAHAM 1982
CONSIGLIERI ET AL. 1980
CUNNINGHAM & STANFORD 1979
FISCUS ET AL. 1976
FORSELL & GOULD 1981
GALES 1982
GILMORE 1978a
GUSEY 1979c
HALL 1979
HALL ET AL. 1977
HANSEN 1985
HESSING 1983
ISAKSON ET AL. 1975
JONES ET AL. 1984
KINETIC LABS, INC. 1984
LEATHERWOOD ET AL. 1983
MATE & HARVEY 1979
MATE & HARVEY 1984
MERCER ET AL. 1977
NOAA 1975b
NOAA 1984
NEMOTO 1957
O'LEARY 1984
PIKE 1962
REEVES 1984
REILLY 1984a
RICE 1967
RICE 1978
RICE & WOLMAN 1982
RICE ET AL. 1984
RUGH 1981
RUGH 1984
SCIENCE APPL., INC. 1980
SEVERINGHAUS 1979
SINETI 1978
STEWART ET AL. 1985

Japan

ANONYMOUS 1890
ANONYMOUS 1937
FURUTA 1984
HASHIURA 1969
KANDORIYA 1760
MIZUE 1951
NISHIWAKI & KASUYA 1970
NISHIWAKI & SASAO 1977
OMURA 1974
OMURA 1984
OMURA ET AL. 1953
OTSUKI 1980
SHIBUSAWA 1939
TADA 1978
YOSHIHARA 1974

Korea

BERZIN 1978a

BOWEN 1974

BROWNELL & CHUN 1977

MIZUE 1951

YABLOKOV & BOGOSLOVSKAYA 1984

Mexico

ADAMS 1968
ASA-DORIAN & PERKINS 1967
BALCOMB 1974
BEAN 1981
BELDA ET AL. 1969
BERDEQUE 1957
BOSTIC 1975
BRYANT 1980
BRYANT & LAFFERTY 1980
BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
BRYANT ET AL. 1984
CETUS 1983
CLARK 1887
CONKLIN 1974
COUSTEAU & DIOLE 1972
DAHLHEIM 1983a
DAHLHEIM 1983b
DAHLHEIM & FISHER 1983
DAHLHEIM ET AL. 1984
EBERHART 1966
EBERHART & NORRIS 1964
FLEISCHER 1981
FLEISCHER & CARLSON 1980
FLEISCHER ET AL. 1983
FOLLMANN 1979
GARD 1974
GARD 1976
GILMORE 1976b
GILMORE & EWING 1954
GILMORE ET AL. 1967
HARVEY & MATE 1984
HEFFERNAN 1977
HENDERSON 1984
HUBBS 1958
HUBBS 1966
HUBBS & HUBBS 1967
JONES 1984
JONES & SWARTZ 1984a
JONES & SWARTZ 1984b
JONES ET AL. 1984
LINBERG 1967
LINDSAY 1967
LITCHFIELD 1971
MATE 1979
MATE & HARVEY 1979
MATE & HARVEY 1981a
MATE & HARVEY 1981b
MATE & HARVEY 1982a
MATE & HARVEY 1982b

Mexico

MATE & HARVEY 1984
MATE ET AL. 1983a
MATTHEWS 1932
MILLS & MILLS 1979
NMFS 1974
NMFS 1979
NORRIS & GENTRY 1974
NORRIS & PRESCOTT 1961
NORRIS & WURSIG 1979
NORRIS ET AL. 1977
OLIVER ET AL. 1983
PATTEN & SAMARAS 1977
POULTER 1968
RASMUSSEN & HEAD 1965
REEVES 1977
REEVES 1984
REILLY 1984a
RICE 1967
RICE 1970
RICE 1978
RICE ET AL. 1981
RICE ET AL. 1983
SAYERS 1984
SCAMMON 1870
SCAMMON 1970
SPENCER ET AL. 1967
SPRAGUE ET AL. 1978
STORRO-PATTERSON 1979
SWARTZ 1977
SWARTZ 1981
SWARTZ & BURSK 1979
SWARTZ & CUMMINGS 1978
SWARTZ & JONES 1979a
SWARTZ & JONES 1979b
SWARTZ & JONES 1980a
SWARTZ & JONES 1980b
SWARTZ & JONES 1981a
SWARTZ & JONES 1981b
SWARTZ & JONES 1983
SWARTZ & JONES 1984
SWARTZ & JONES n.d.
TONNESSEN 1967
VARGAS 1981
WALKER 1949
WALKER 1971
WHITE 1975

Not Area Specific

ACOUST. SOC. AM. (USA) 1981
AINLEY ET AL. 1980
ALBERT 1980a
ALBERT 1981a
ALBERT 1981e
ALBERT & PHILO 1979
ALDRICH 1899
ALLEN 1974
ALLEN, K. R. 1980
ANDREEVA & YABLOKOV 1965
ARAI & SAKAI 1952
ARNASON 1974
ARNASON ET AL. 1982
AUDUBON 1975
BARNARD 1969
BARNES & MCLEOD 1984
BARTHOLOMEW 1974
BENNETT & LJUNGBLAD 1983
BENNETT ET AL. 1983
BERZIN & YABLOKOV 1978
BIRD 1977
BIRD 1983
BIRD 1985
BOGOSLOVSKAYA & LEMBERG 1979
BRAHAM 1981a
BRAHAM 1984a
BRAHAM 1984c
BRIGGS & MOREJOHN 1972
BROWNELL 1977
BUREAU OF LAND MANAGEMENT 1980
BURNHAM ET AL. 1980
CCCP 1960
CETUS 1983
CLARKE, R. 1957
CLARKE, R. 1982
CUMMINGS 1981
CURRAN & ASHER 1974
DARLING 1973
DUBIELZIG & AGUIRRE 1979b
DUFFIELD 1974
DURHAM 1973a
DURHAM 1979c
EBERHARDT ET AL. 1979
ELLERMAN & MORRISON-SCOTT 1951
ENDANGERED SPECIES PROD. 1974
ENVIRONMENTAL LAW INST. 1977
EVANS 1974
FAY ET AL. 1979
FISH ET AL. 1974
FOLLMANN & MILLER 1981

Not Area Specific

FAO 1978
FOWLER 1984
GALES 1982
GAMBELL 1976
GASKIN 1976
GASKIN 1982
GERACI & ST. AUBIN 1980
GERACI & ST. AUBIN 1982a
GERACI & ST. AUBIN 1982b
GERACI & ST. AUBIN 1982c
GERACI & ST. AUBIN 1982d
GERACI & ST. AUBIN 1982e
GERACI & ST. AUBIN 1982f
GERACI & ST. AUBIN 1982g
GERACI & ST. AUBIN 1982h
GERACI & ST. AUBIN 1982i
GERACI & ST. AUBIN 1982k
GERACI & ST. AUBIN 1985
GERACI ET AL. 1981
GERACI ET AL. 1983
GILMARTIN ET AL. 1974
GOLD 1977
GOLD 1985
GREENPEACE N.O.
HAENEL & FLAHERTY 1983
HARRISON & KING 1965
HERSHKIVITZ 1966
HERVIG ET AL. 1984
HILL 1975
HILL 1978
HOBBS & GOEBEL 1982
HOSOKAWA & KAMIYA 1971
HOYT 1984
HUBBS 1972
INT. WHALING COMM. 1982a
JEHL ET AL. 1980
JONES ET AL. 1984
JONGGAARD 1969
KANWISHER & RIDGWAY 1983
KASUYA & RICE 1970
KAWAMURA 1971
KAWAMURA 1975
KELLOGG 1928
KIMURA n.d.
KINNE 1975
KLUMOV 1984
KOORYMAN 1975
KOORYMAN & ANDERSEN 1969
KOORYMAN ET AL. 1981
KROGMAN ET AL. 1979a

Not Area Specific

LAUBER 1975
LAWS 1956
LEATHERWOOD & EVANS 1979
LEATHERWOOD ET AL. 1982
LEUNG 1967
LOCKYER 1979
LUCUS 1966
MALME ET AL. 1983a
MALME ET AL. 1983c
MALME ET AL. 1983d
MALME ET AL. 1984a
MALME ET AL. 1984b
MALME ET AL. 1985b
MARINE MAMMAL COMMISSION 1979
MATE 1984
MATE & HARVEY 1982b
MATE & HARVEY 1983
MATE ET AL. 1983b
MATTHEWS 1975
MAZZONE 1983
MC LEOD & BARNES 1983
MC VAY 1974
MEDWAY 1974
MEEK 1918
MERCER ET AL. 1978
MIGAKI 1979a
MIGAKI 1981
MILLER, G. S. 1923
MITCHELL 1973
MORRIS 1972
NATL. ACAD. OF SCIENCE 1982
NMFS 1974
NMFS 1980
NOAA 1975a
NOAA 1978c
NEMOTO 1959
NEMOTO 1964
NEMOTO 1970
NERINI 1984
NEUBURY 1979
NISHIWAKI 1950
NORRIS 1969
NORRIS & GENTRY 1974
NORRIS, ED 1977
OMURA 1971
PAYNE 1977
PIVORUNAS 1976
POOLE 1984b
POWELL 1976
RALLS 1976

Not Area Specific

RAY & SCHEVILL 1974
RAY, G. C. 1983
RAY, G. C., & MILLER 1982
REETZ 1983
REILLY 1981a
REILLY 1981b
REILLY 1984a
REILLY ET AL. 1980
REYERSBACH DE HAAN 1957
RICE 1966
RICE 1977
RICE 1983
RICE 1984
RICE ET AL. 1984
RICHARDSON ET AL. 1983a
RISTING 1928
ROWNTREE 1983
RUUD 1945
RYAN 1978
SCHAFER ET AL. 1983
SCHEFFER 1975
SCHEVILL 1952
SCHEVILL N.D.
SCHEVILL ET AL. 1967
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
SMITH & WAHRENBROCK 1974
SPENCE 1980
SQUIRE 1964
ST. AUBIN & GERACI 1981
ST. AUBIN & GERACI 1983
ST. AUBIN ET AL. 1984
ST. AUBIN ET AL. 1985
STORRO-PATTERSON 1981a
SULLIVAN 1976
SUMICH 1981a
SUMICH 1983
SWEENEY & MATSSON 1974
THOMPSON, T. J. ET AL. 1979
TOMILIN 1946
TOMILIN 1954
TOMILIN 1955
UNITED STATES 1976
UNITED STATES CONGRESS 1976
WAHRENBROCK ET AL. 1974
WALKER 1962
WATKINS 1982b
WATKINS 1985a
WATKINS 1985b

Not Area Specific

WELLINGTON & ANDERSON 1978
WELLS 1981
WENZ 1964
WILLIAMSON 1983
WOLMAN 1985
WURSIG 1983
YABLOKOV & BERZIN 1978
ZENKOVICH 1935
ZENKOVICH 1938a
ZENKOVICH 1938b
ZETTNER 1974
ZIMUSHKO 1969
ZIMUSHKO 1970b
ZIMUSHKO 1970c
ZIMUSHKO 1970d
ZIMUSHKO 1970e
ZIMUSHKO 1972a
ZIMUSHKO 1972b

North Atlantic

FLOWER 1872
FAO 1978
FRASER 1970
LARSON 1917
LILLJEBORG 1866
LUBBOCK 1937
MATE ET AL. 1983a
MEAD & MITCHELL 1984
MITCHELL 1974
MITCHELL & MEAD 1977
ODELL 1983
VAN DEINSE & JUNGE 1937

North Pacific

ADAMS 1968
AK GEOGR. 1979
ANDREWS 1914
ANONYMOUS 1890
ANONYMOUS 1926
ANONYMOUS 1937
ANONYMOUS 1949
ANONYMOUS 1968
ANTHONY 1921
ASA-DORIAN & PERKINS 1967
BALCOMB 1974
BALDRIDGE 1972
BALDRIDGE 1974
BARABUSH-NIKIFOROV 1938
BARHAM 1982
BEAN 1981
BEDDARD 1900
BELDA ET AL. 1969
BERDEQUE 1957
BERZIN 1978a
BERZIN 1978b
BERZIN & ROVNIN 1966
BERZIN & VLADIMIROV 1981
BIRD 1985
BIRNIE & SANDBROOK 1979
BOAS 1909
BOSTIC 1975
BOWEN 1974
BRAHAM 1977
BRAHAM & MERCER 1978
BROWNELL 1971
BROWNELL & CHUN 1977
BRYANT 1980
BRYANT & LAFFERTY 1980
BRYANT & LAFFERTY 1982
BRYANT ET AL. 1981
BRYANT ET AL. 1984
BURRAGE 1964
CALDWELL & CALDWELL 1963
CARL 1967
CARL 1968
CARTER 1965
CATON 1888
CETUS 1983
CHAMBERLAIN & BOWER 1913
CLARK 1887
CLARK 1985
CLARK ET AL. 1983a
CLARK ET AL. 1983b
CLARKE, R. 1957

North Pacific

CONKLIN 1974
CONSIGLIERI ET AL. 1980
COPE 1868a
COPE 1868b
COPE 1869
COPE 1879
CORNWALL 1928
COUSTEAU & DIOLE 1972
CUMMINGS ET AL. 1967
CUMMINGS ET AL. 1968
CUMMINGS ET AL. N.D.
CUNNINGHAM & STANFORD 1979
DAHLHEIM 1983a
DAHLHEIM 1983b
DAHLHEIM & FISHER 1983
DAHLHEIM ET AL. 1984
DARLING 1973
DARLING 1977
DARLING 1978a
DARLING 1978b
DARLING 1979
DARLING 1984
DAUGHERTY 1966
DOHL & GUESS N.D.
DOHL ET AL. 1981
EBERHARDT & EVANS 1962
EBERHART 1966
EBERHART & NORRIS 1964
EVANS 1974
EVERITT ET AL. 1979
EVERITT, R. D. ET AL. 1980
FISCUS & NIGGOL 1965
FLAHERTY 1983
FLEISCHER & CARLSON 1980
FLEISCHER ET AL. 1983
FOLLMANN 1979
FAO 1978
FORSELL & GOULD 1981
FRASER 1937
FURUTA 1984
GALES 1982
GARD 1974
GARD 1976
GARDNER 1960
GEIGER ET AL. 1981
GERACI & ST. AUBIN 1982j
GILMORE 1955
GILMORE 1956
GILMORE 1958
GILMORE 1960a

North Pacific

GILMORE 1960b
GILMORE 1961a
GILMORE 1969
GILMORE 1976b
GILMORE 1978a
GILMORE 1978b
GILMORE & EWING 1954
GILMORE & MILLS 1962
GILMORE ET AL. 1967
GRIGG & DANA 1969
HALL ET AL. 1977
HANCOCK 1965
HARMER 1928
HARVEY & MATE 1984
HASHIURA 1969
HATLER 1972
HATLER & DARLING 1974
HEFFERNAN 1977
HENDERSON 1970
HENDERSON 1972
HENDERSON 1975
HENDERSON 1984
HENDERSON J 1981
HERMAN ET AL. 1980
HERWIG ET AL. 1984
HERZING & MATE 1981
HERZING & MATE 1984
HOUCK 1962
HOWELL & HUEY 1930
HUBBS 1950
HUBBS 1958
HUBBS 1966
HUBBS & HUBBS 1967
HUBER ET AL. 1980
HUDNALL 1981
ICHIHARA 1958
INT. WHALING COMM. 1982a
INTER.WHALING STATISTICS 1930
ISAKSON ET AL. 1975
IVASHIN & MINEEV 1978
JAPANESE FISHERIES AGENCY 1954
JEWITT 1815
JONES 1984
JONES & SWARTZ 1984a
JONES & SWARTZ 1984b
JONES ET AL. 1984
KANDORIYA 1760
KANNENWORFF 1965
KASUYA & RICE 1970
KAZA 1981

North Pacific

KELLOGG 1929
KELLOGG 1931
KELLOGG 1940
KENT ET AL. 1983
KILLINGLEY 1980
KINETIC LABS, INC. 1984
KIRK & DAUGHERTY 1974
KOORYMAN 1975
KRASHENINNIKOV 1775
KVITEK & OLIVER 1986
LEATHERWOOD 1974a
LEATHERWOOD 1974b
LEATHERWOOD 1975
LECKY ET AL. 1979
LINBERG 1967
LINDSAY 1967
LITCHFIELD 1971
MACKINTOSH 1946
MALME & MILES 1983
MALME ET AL. 1983b
MALME ET AL. 1983c
MALME ET AL. 1983d
MALME ET AL. 1984a
MALME ET AL. 1984b
MALME ET AL. 1985a
MALME ET AL. 1985b
MANZER 1954
MARTIN 1976
MARX 1966
NASER ET AL. 1981
MATE & HARVEY 1979
MATE & HARVEY 1981a
MATE & HARVEY 1981b
MATE & HARVEY 1982a
MATE & HARVEY 1982b
MATE & HARVEY 1983
MATE & HARVEY 1984
MATE ET AL. 1983a
MATE ET AL. 1983b
MATTHEWS 1932
MC NULTY 1973
MERCER ET AL. 1977
MILES 1984
MILES & MALME 1983
MILLER 1975
MILLS & MILLS 1979
MITCHELL 1979a
MIYAZAKI 1980
MIZUE 1951
MOREJOHN 1968

North Pacific

MURISON ET AL. 1984
NMFS 1974
NMFS 1979
NOAA 1984
NEMOTO 1957
NEMOTO 1959
NEMOTO 1964
NERINI 1984
NEWMAN 1976
NISHIWAKI 1950
NISHIWAKI & KASUYA 1970
NISHIWAKI & SASAO 1977
NORRIS & GENTRY 1974
NORRIS & PRESCOTT 1961
NORRIS & WURSIG 1979
NORRIS ET AL. 1977
NORRIS ET AL. 1983
O'LEARY 1984
OHSUMI 1976
OLIVER 1983
OLIVER & SLATTERY 1985
OLIVER ET AL. 1983
OLIVER ET AL. 1984
OMURA 1974
OMURA 1984
OMURA ET AL. 1953
ORR 1969
ORR 1970
OTSUKI 1980
PATTEN & SAMARAS 1977
PATTEN & SARUBA 1979
PEILIE 1978
PENTIS 1971
PHLEGER 1959
PIKE 1956
PIKE 1962
PIKE & MACASKIE 1969
POOLE 1980
POOLE 1981
POOLE 1983a
POOLE 1983b
POOLE 1984a
POOLE 1984b
POLLTER 1968
PROVINCIAL ARCHIVES 1966
RAMSEY 1968
RASMUSSEN & HEAD 1965
REAGAN 1925
REETZ 1983
REEVES 1977

North Pacific

REEVES 1984
REILLY 1984a
REILLY 1984b
REILLY ET AL. 1979
REILLY ET AL. 1980
REILLY ET AL. 1983
RICE 1961
RICE 1965
RICE 1967
RICE 1970
RICE 1972
RICE 1975
RICE 1978
RICE & WOLMAN 1971
RICE & WOLMAN 1982
RICE ET AL. 1981
RICE ET AL. 1983
RICE ET AL. 1984
RIDGEWAY 1972
RISTING 1928
RISTING 1931
RUGH 1981
RUGH & BRAHAM 1979
RUUD 1942
SAMARAS 1974
SAYERS 1984
SCAMMON 1869
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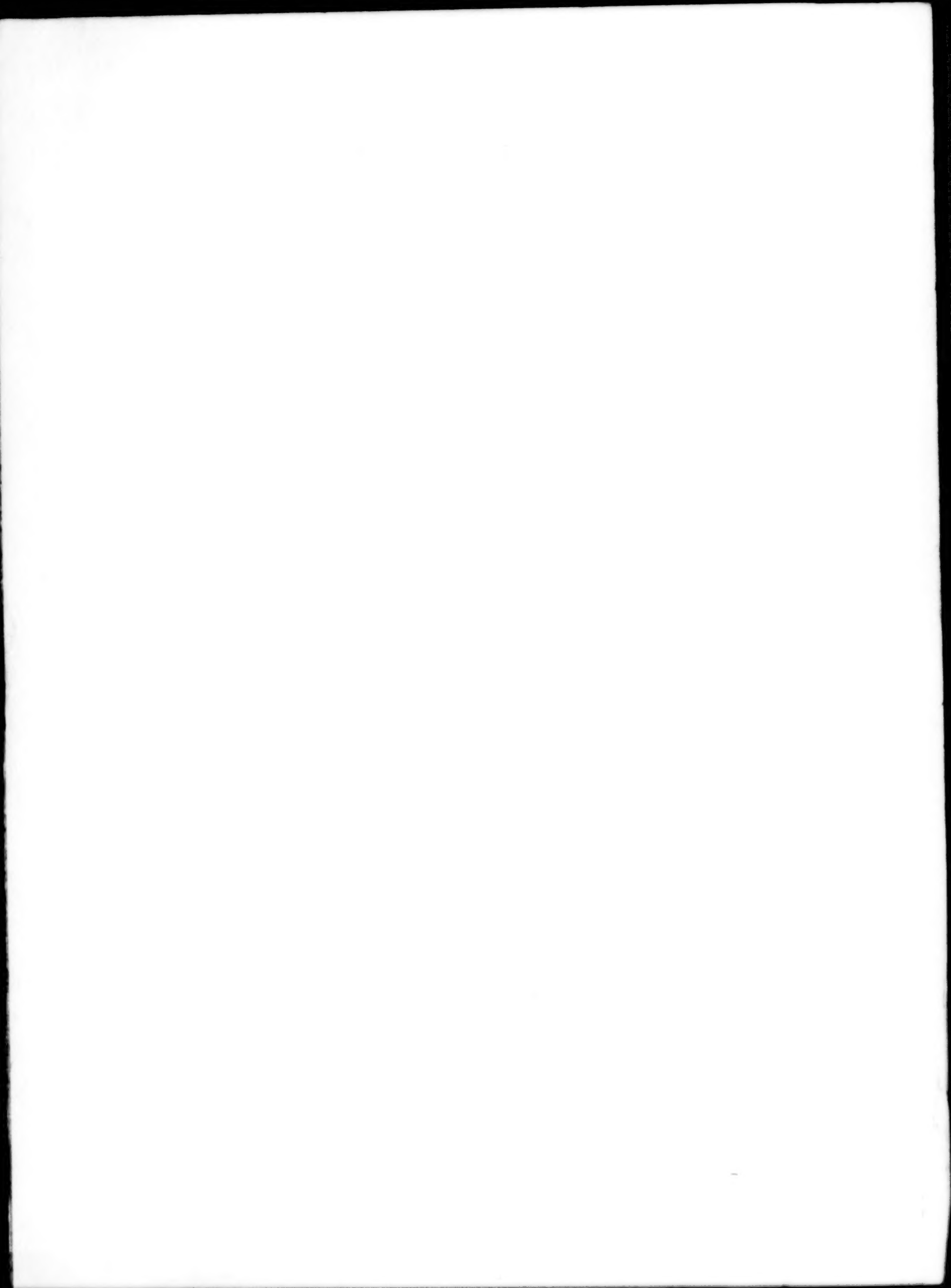
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